## **APDES ANNUAL REPORT 2017**

# **VOLUME 2: WATER QUALITY**

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Coeur Alaska Inc.

Kensington Gold Project

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#### 1.0 Introduction

This volume of the Annual Water Quality Monitoring Summary report contains the results of water quality monitoring conducted in 2017 in accordance with the requirements of the Alaska Pollutant Discharge Elimination System (APDES Permit No. AK0050571) for the Kensington Gold Mine, near Juneau, Alaska. A graphical presentation of water quality data collected at both outfalls and receiving water monitoring stations, along with tabular summary statistics is included in this summary report.

Please note that due to agency requests for historical data, graphical representation of data from 2006-2017 are presented for Outfall 001 and all receiving water stations with the exception of stations SMP-5 and SH113. SMP-5 sampling began in 2009 and SH113 sampling began in 2007. Additionally, sampling at Outfall 002 did not commence until December 2010, in line with the commissioning of the Tailings Treatment Facility (TTF) Water Treatment Plant (WTP).

#### 2.0 Methods

Monitoring of water quality at Outfall 001 (treated mine discharge) and Outfall 002 (treated tailings pond water) occurred during 2017 as required by the APDES permit. In addition to outfall sampling, monitoring was conducted at four receiving water streams (Johnson, Slate, Sherman and Ophir Creeks) for ambient upstream and downstream water quality. The following list describes the sampling activities at these outfalls and receiving water stations:

#### 2.1 Monitoring Currently Active

- Continuous monitoring of flow and pH at Outfall 001 effluent; weekly water sampling of the
  effluent for analysis of field, general and trace parameters; monthly sampling of the effluent
  for whole effluent toxicity testing.
- Continuous monitoring of flow and pH at Outfall 002 effluent along with; weekly water sampling at Outfall 002 effluent for analysis of field, general and trace parameters; monthly sampling of the effluent for whole effluent toxicity testing. Monthly receiving water field, general and trace parameters from stations MLA, SMP-5, SLB and SLC on Slate Creek; stations SH113, SH105, SH109 on Sherman Creek; stations JS2, JS4 and JS5 on Johnson

Creek. Stations SH111 and SH103 on Ophir Creek. Additionally the Outfall 001 Compliance Schedule was implemented for further monitoring of white residue at the Comet Water Treatment Plant and the Outfall 001 discharge to Sherman Creek.

#### 2.2 Monitoring Currently Suspended

No monitoring was suspended during 2017.

#### 2.3 Monitoring Changes during 2017

The APDES permit was renewed midway through 2017. Resulting in multiple changes to the monitoring program. The following parameters at Outfall 001 are no longer required to be monitored: total recoverable arsenic, total chromium, chromium VI, total recoverable silver, hardness at Site #5. Added monitoring: daily monitoring of total residual chlorine.

At Outfall 002 total recoverable arsenic, total chromium and chromium VI are no longer required to be monitored. Added monitoring: dissolved oxygen and chlorine (only if breakpoint chlorination treatment is added).

Multiple permit limits changes were implemented for both Outfall 001 and Outfall 002 which are detailed in the current APDES permit.

Receiving water monitoring continued at four creeks, Sherman Creek, Ophir Creek, Johnson Creek and Slate Creek. Some receiving water monitoring changes occurred as a result of the APDES permit renewal. Arsenic, chromium and silver are no longer required to be monitored. Total residual chlorine was added to the monitoring suite and all remaining dissolved metal requirements were dropped and replaced with total recoverable metal monitoring.

#### 3.0 QC Summary

#### 3.1 Plan QC

Coeur Alaska has complied with the approved Quality Assurance Project Plan (QAPP) for the 2017 water quality data. At least ten percent of all lab reports are reviewed for issues pertinent to the five categories of quality control:

- Precision
- Accuracy
- Comparability

- Representativeness
- Completeness

Based on the results of this review, lab reports, individual samples, or individual parameters within samples may be qualified on a variety of issues as:

- Accepted
- Estimated
- Rejected

No data were rejected from the 2017 dataset. Included in Table 23 is a list of qualified data. During 2008, Coeur implemented the practice of completing the QA/QC review of all data gathered for the NPDES permit on a monthly basis in conjunction with preparation of the monthly Discharge Monitoring Report. This was continued through 2017 to allow for timely resolution of any issues identified during the QA/QC review with the contract laboratory or field personnel.

#### 3.1.1 Precision- Field Blind Duplicate Comparison

Precision is a qualitative measure of the reproducibility of a measurement under a given set of conditions. Precision in the analytical results of laboratory analysis is determined by laboratory quality control measures such as duplicate matrix spikes and sample duplicates. The plan criterion for laboratory precision is a relative percent difference between duplicate samples of less than or equal to 20%. In addition, field blind duplicate sample pairs, which are collected throughout the year, are also used as a quality control for precision in the laboratory results.

Receiving water sample field duplicates are selected and collected on a random basis. The total number of receiving water field duplicates collected during 2017 was 35 and the total number of outfall field duplicates collected in 2017 was 24. The relative percent difference (RPD) was calculated for each duplicated parameter. 5.5% of all duplicated receiving water parameter results were greater than 20% RPD and therefore did not pass the precision criteria. Compared with previous years receiving water duplicates in 2016 had a 5.1% failure rate, 2015 had a 4.5% failure rate, 2014 had 3.5% failure, 2013 had a 4.0% failure, 2012 had a 7.5 % failure, 2011 had a 5% failure,

9% in 2010, 6% in 2009, 7% in 2008 and 12% in 2007. In 2016 outfall blind duplicate samples were incorporated into precision duplicate program. In 2016 7.9% of outfall duplicates failed. 2017 saw a reduction in outfall duplicate failures with a rate of 6.0%. The results of comparisons between duplicate sets are tabulated in Appendix A.

#### 3.1.2 Accuracy

Accuracy in the analytical results of laboratory analysis is determined by percent recovery of laboratory quality control measures such as matrix spikes, control samples and method blanks. The criterion for accuracy in most analytical procedures is a percent recovery between 85 and 115 percent. The general chemistry and metals chemistry blank analyses data are included in Appendix C. To ensure high accuracy of field data collection, field meters were calibrated prior to each sampling event throughout the 2017 monitoring.

#### 3.1.3 Representativeness

Representativeness is controlled by sampling plan design, sampling techniques and sample handling procedures.

#### 3.1.4 Comparability

Comparability is maintained by using consistent sampling and analytical methods as well as consistent units of measurement. ALS Environmental, formerly Columbia Analytical Services located in Kelso, Washington has conducted all NPDES/APDES water quality analyses since March 2008. This has helped maintain comparability within data sets. In addition, the sample and data management process is comparable to previous years.

#### 3.1.5 Completeness

As stated in the QAPP for the Kensington Gold Project, the completeness criterion goal for monitoring data is 90% due to the extreme weather conditions observed on site. Overall data capture was 100% for 2017, this includes both outfalls and the four receiving waters.

#### 3.2 Detection

The laboratory Practical Quantitation Limit (PQL) remained consistent for each analytical method during 2017 for all water quality monitoring. Dissolved arsenic, total chromium, nickel, silver and total residual chlorine were not detected in any samples collected from the receiving water stations on Slate, Sherman, Ophir and Johnson Creeks. Cadmium was not detected at Johnson Creek but was periodically detected at Ophir, Sherman and Slate creeks. Selenium remained undetected throughout the year at Johnson, and Ophir Creeks. Selenium was detected three times on Slate Creek and once on Sherman Creek. Aluminum was present at all receiving water stations. Manganese was detected in all Slate Creek and Johnson Creek samples. Manganese was detected eight times in the background Sherman Creek samples, and was present in all downstream samples. Sherman Creek copper concentrations throughout the year were low with the highest concentration at SH113. Zinc was not detected at any of the three Sherman Creek sites in 2017. The upstream Ophir Creek site had detectable levels of aluminum and zinc all other metals remained undetected throughout the year. The downstream Ophir Creek site had detectable levels of aluminum, cadmium, copper, manganese, Johnson Creek mercury and zinc; the remaining metals at SH103 were non-detect for 2017. contained aluminum concentrations throughout the year. Arsenic, cadmium, chromium, lead, nickel, selenium, silver and zinc were not detected at all three Johnson Creek sites. Following typical trends, the number of undetected metals per site among the four receiving water streams was highest in Ophir Creek, followed by Johnson Creek, then Sherman Creek and lastly Slate Creek.

As expected, sulfate and hardness parameters were detected in all samples collected from all stations on each of the four receiving water creeks. TDS was highest in downstream samples from Ophir. Conductivity was highest in downstream samples collected on Slate Creek and Ophir Creek sites. Conductivity remained low throughout the year in Johnson Creek. Conductivity in Johnson Creek increased downstream. Following a typical trend, hardness was lowest in Johnson Creek, followed by Ophir Creek, Sherman Creek and then Slate Creek.

Low-level detection limits, provided through the use of method 1631, were used to determine mercury concentrations in the receiving waters. In 2017, low concentrations of mercury were detected in 5 samples at Johnson Creek, one at station JS2, four at station JS4 and was not detected at station JS5. At Sherman Creek, mercury was detected at SH109 six times and was detected in ten

samples from SH113 and six samples from SH105. Ophir Creek had five detectable levels of mercury at both the background and downstream sites. In the case of Slate Creek, mercury was detected periodically throughout the year. MLA had the most detectable results with eleven followed by SLC with ten detectable results; the remaining stations SMP-5 and SLB had seven and nine respective results.

#### 4.0 General Major Chemistry

Area waters generally:

- Have peak water temperature in August or September
- Are at or near oxygen saturation
- Have mildly basic pH
- Seasonal fluctuation of conductivity with peak values in the winter
- Contain low levels of sulfate
- Are generally soft (in most cases <100ppm hardness)
- Have low concentrations of dissolved and total recoverable metals

#### 5.0 Summary Statistics

Summary statistics were calculated for all parameters at each outfall and receiving water station. The calculations include the minimum, maximum, range, arithmetic mean and standard deviations for each monitoring station contained in the 2017 data set. The results are presented in Tables 7 through 20. Also included in the summary tables are the total number of samples collected, total number of non-detect results and the percentage of non-detects.

#### 6.0 Watersheds

Upstream/downstream receiving water monitoring stations are present on Johnson, Slate, Ophir and Sherman Creeks. A comparison of the chemistry between these station pairs is discussed below. Tables 1 through 6 contain the monitoring parameters that remained undetected for the entire year at each station.

#### 6.1 Receiving Waters- Johnson Creek

#### **Monitoring Sites**

- JS2- Johnson Creek upstream of disturbance
- JS4- Johnson Creek downstream of Bridge 1
- JS5- Johnson Creek downstream of mill process area and Bridge 2

#### **6.1.1 Major Chemistry**

Water quality monitoring on Johnson Creek was intended to identify potential impacts from mill facility construction and operation. The water sampling sites are somewhat confusingly labeled since JS5 lies downstream of Bridge 2, which is between JS2 (background, upstream site) and JS4 (downstream of Bridge 1). Water quality at Johnson Creek shows some seasonal trends for temperature, TDS, nitrate, pH, and sulfate. A slight increase of conductivity, turbidity, TDS, sulfate, hardness, and color is also seen from upstream to downstream, particularly in winter months (Figures 6 - 8). Average upstream temperature was higher at the background site JS2 than the two downstream sites. Similar to last year, the peak temperature for Johnson Creek in 2017 was recorded at JS4 in August (8.0°C) and lowest at JS4 in January (0.0°C). Nitrate was present at all sites, with slightly higher concentrations at the downstream sites. During 2017 nitrate followed typical trends with lower concentrations during summer and peak values in winter. pH trended similarly among the Johnson Creek sites, with the highest value of 8.11 s.u. at JS4 occurring in November.

Sulfate showed consistent increases downstream through the year with both downstream sites being higher in winter and early spring and lower in summer. The highest sulfate level was 17.4 mg/L at JS4 in December. Dissolved oxygen was similar among the Johnson sites throughout 2017, ranging 11.7–14.3 mg/L. Conductivity measurements were consistently higher downstream throughout 2016. Annual mean conductivity values for the three sites were JS2: 21.8 umhos/cm, JS5: 45.1umhos/cm and JS4: 54.9 umhos/cm. Turbidity was less than 2.5 NTUs at all sites throughout the year. Total dissolved solids increased from upstream to downstream with the highest result of 89 mg/L in March at JS4. Average hardness showed increases downstream during 2017. Hardness varied throughout the year at JS2, with a low of 13.5 mg/L in August and high of 50.9

mg/L in March. The downstream sites varied somewhat with JS5 ranging from 17.9 to 49.7 mg/L. JS4 ranged 25.6 to 63.3 mg/L. Color was not detected at JS2 during 2017. Color was detected periodically at JS4 and JS5 throughout 2017 with a peak value of 20 cu seen at both sites in September.

Chloride was detected in six samples in 2017 at Johnson Creek sites. In 2017 ammonia remained undetected for the year. TSS was detected twice in 2017 once at JS4 and once JS5. Whereas in 2016, TSS was not detected on Johnson Creek.

As a result of the new APDES permit becoming effective June 2017 total residual chlorine (TRC) was required to be monitored at all three Johnson Creek sites. TRC was non-detect in all samples at all three Johnson Creek stations June to December 2017.

#### **6.1.2** Trace Chemistry

The majority of total and dissolved metals tested at Johnson Creek were not detected at any sites throughout year. These included arsenic, cadmium, chromium, lead, nickel, selenium, silver and zinc. Concentrations of aluminum tended to be higher at downstream sites (JS4 and JS5) than the upstream site (JS2) throughout 2017. The highest aluminum level recorded in Johnson Creek in 2017 was at JS4, 98.7 ug/L, in September. This demonstrated an increase from 2016 when the peak aluminum value of 75.4 ug/L occurred at JS5. However two years previously, aluminum concentrations in 2015 were higher, the peak aluminum value was 147.0. Manganese was slightly elevated at the downstream sites in 2017; the highest value of 17.0 ug/L was recorded at JS4 in September. Manganese never exceeded 2.5 ug/L at JS2 throughout the year.

Mercury in 2017 was detected once at JS2 and JS4 showed four detectable results, while JS5 had no detectable results. The peak 2017 mercury result of 0.0015 ug/L occurred at JS4 in April and again in September. Overall, compared to 2016, 2017 showed a decrease in mercury detections. Beginning in 2006 dissolved zinc was detected at all Johnson Creek sites periodically through 2011. Zinc detection decreased in 2012 and was detected only twice. Since 2013 zinc has not been detected at any of the Johnson Creek stations.

Comparison with 2006 to 2012 data shows that Johnson Creek pH was slightly lower than previous years. In 2013 the higher pH values trended towards 7.5 s.u. whereas in previous years the higher values trended towards 8.5 s.u. Average pH values in 2016 were slightly higher than the previous year, with mean pH ranging 7.1 to 7.2 at the three stations. pH in 2017 trended slightly higher than 2016, with maximum values reaching 8.0 to 8.1 at all three sites.

Similar to the previous year turbidity in 2017 reached a peak result of 2.4 NTU. In 2016 peak turbidity was 2.67 NTU whereas in 2015 all values remained below 1.55 NTU. TSS was found at the detection level of 4.0 mg/L twice at Johnson Creek otherwise it was non-detect for 2017. TSS remained non-detect for all of the Johnson Creek sites in 2016. In 2015, JS2 had all non-detect TSS results, whereas JS4 had two detectable results and JS5 one detectable result.

The occurrence of mercury decreased in 2017 compared to the previous year, in 2017 mercury was found in five samples whereas in 2016 in was detected ten times. In 2015 mercury was measured five times. In 2014 mercury concentrations occurred once in Johnson Creek. In 2013 mercury was detected five times, whereas it was detected on eight occasions in 2012, five in 2011, three times in 2010, twice in 2009 and once in 2008.

Similar to the last two years, manganese did not exceed 15 ug/L at any of the Johnson Creek stations. In 2014 the peak value did not exceed 12 ug/L. Manganese concentrations in 2014 through 2017 were considerably lower than 2013, peak 2013 result was 42.8 mg/L. Copper was not detected from 2006 to 2009, but did appear in November 2010 and again in four instances in 2011. In 2012 copper was detected twice with both results having concentrations lower than the previous year. In 2013 copper was detected once at each Johnson Creek site. Continuing a downward trend, copper was not detected in 2014. Similar to the previous year, in 2015, copper was found only once at the detection level. Like two years prior, copper remained undetected in 2016 at all three Johnson Creek stations. In 2017 the occurrence of copper increased compared to previous years. Copper was detected three times at each of the downstream sites but remained undetected at the background site. Nickel has not been detected in Johnson Creek since September of 2007.

Nitrate levels showed a similar pattern to previous years, with concentrations trending higher in late spring and again increasing in fall but not exceeding 1.8 mg/L. Sulfate levels also showed a similar pattern to previous years, being lowest in the summer months; sulfate concentrations did not exceed 17.4 mg/L in 2017.

Across all three Johnson Creek stations there was a decrease in ammonia concentrations, ammonia was non-detect throughout 2017. Ammonia was found on four occasions in 2016, the highest value of 0.47 mg/L was measured at the background site in October. Throughout 2015 ammonia remained non-detect in Johnson Creek. During 2014 ammonia was found once at JS-2 and remained undetected at JS-4 and JS-5. In 2013 ammonia was not found at JS-2 and JS-4 and was detected once at JS-5 in July. Ammonia was not detected in 2012 or 2011 at all Johnson Creek sites. Ammonia was detected twice at very low levels in 2010 and was previously detected at the end of 2006 and 2007 and in January 2008.

#### 6.2 Receiving Waters - Slate Creek

#### **Monitoring Sites**

- MLA- Middle Lake Slate Creek upstream of disturbance
- SMP-5 (Site #5) Downstream of the tailings impoundment dam
- SLB East Fork Slate Creek upstream of confluence with West Fork Slate Creek
- SLC- Slate Creek downstream of confluence with West Fork Slate Creek

#### **6.2.1** Major Chemistry

Water quality monitoring on Slate Creek in 2017 was intended to identify potential impacts from the Tailings Treatment Facility (TTF). Figures 9 through 12 are graphical representations of analytical results gathered throughout the year. Compared to the other streams, Slate Creek was the warmest, most likely due to the presence of lakes in the system that warm in summer due to their large surface area. Only Upper Slate Lake contributes to this warming affect now, as Lower Slate Lake has been converted to a Tailings Treatment Facility and stream flow is diverted around the TTF. MLA is the sampling site upstream of the TTF, SMP-5 is approximately 200 meters downstream of the tailings impoundment dam. SLB is approximately 1.6 kilometers downstream of the tailings treatment area and SLC is 10 meters further downstream from SLB and receives water from both east and west forks of Slate Creek. Temperatures on Slate Creek in 2017 were overall

lower compared to 2016, the highest 2017 temperature recorded at SMP-5 was 16.3°C whereas the highest temperature in 2016 was 18.2°C, at MLA.

In 2017 pH values were similar to the previous year with values at all sites ranging between 6.7 and 8.2 s.u. for the year. The peak pH value of 8.2 occurred at MLA in June. Dissolved oxygen measured at Slate Creek stations showed a seasonal trend similar to those of the other receiving water streams, higher in winter months and lower in summer months. Dissolved oxygen (DO) measurements at all Slate Creek sites increased from upstream to downstream, likely due to aeration from cascades and rapids further downstream. The lowest 2017 Slate Creek DO was observed at MLA in July which was 8.38 mg/L. This was similar to 2016's lowest value of 7.97 mg/L also found at site MLA. In 2015 the lowest DO result of 9.03 mg/L occurred at MLA.

Chloride followed a historical trend. Its highest value was found at both SMP-5 and SLB (13.7 mg/L) with MLA less than 2.0 mg/L and SLC demonstrating a chloride range of 1.9 mg/L to 10.1 mg/L. Overall Slate Creek chloride concentrations have remained much the same for the last eleven years.

As a result of the new APDES permit becoming effective June 2017 total residual chlorine (TRC) was required to be monitored at all four Slate Creek sites. TRC was non-detect in all samples at all four Slate Creek stations June to December 2017.

Conductivity was higher at the downstream sites in Slate Creek and the highest result occurred at SMP-5 in July (458.2 umho/cm). This was slightly greater than last year's peak conductivity result of 432.7 umho/cm. But lower than the 2015 maximum value of 497.8 umho/cm. Sulfate values were greatest at the downstream sites. Sites SMP-5 and SLB showed the greatest downstream increase when compared to the background site. The highest sulfate value in 2017 occurred at SMP-5 in November (241 mg/L). This was an increase over last year's peak value also at SMP-5 (180 mg/l). In 2014 and 2015 the highest sulfate values were 239 mg/L and 194 mg/l respectively. Similar to the previous year sulfate at MLA remained less than 6.0 mg/L throughout 2017. Throughout 2017 little variation in turbidity occurred among the Slate Creek sites; all turbidity values remained below 1.1 NTU. Also in 2016 turbidity was low at all sites with the exception of one value of 7.2 NTU at SLB, which accounted for the peak 2016 value.

Ammonia at the background site trended slightly lower than 2016, in 2017 all samples were non-detect. Much like previous years, ammonia at SMP-5, SLB and SLC ranged from 0.38 mg/L to 1.47 mg/L. Nitrate has not been detected at MLA since 2013. The peak 2017 nitrate result occurred at SMP-5 in November.

Hardness at the background site remained below 75mg/L for 2017. Downstream hardness reached 277 mg/l at SMP-5 in November and the remaining downstream sites both reached respective peak values of 260 mg/L and 207 mg/L. In 2017 TDS at the background site ranged 25 mg/L to 114 mg/L. However a broader range for TDS occurred in 2016 at MLA which ranged from 42 – 202 mg/L. In 2015 the TDS range was considerably less at 24 mg/L - 82 mg/L. However SLB, SLC and SMP-5 demonstrated levels similar to previous years with a peak value of 492 mg/L at SMP-5 in November. TSS was below detection limits at all four stations throughout 2017 this was also the case for the previous five years.

Color showed slight variation among the Slate Creek site with results greatest at MLA and decreasing at the downstream sites. Some color is attributable to tannins in the water associated with vegetation die-off in the lakes and muskegs. The West Fork has no lakes so it would be expected to have less color and have a dilution effect on SLC, such was the case in 2017 with the lowest color average for the year reported at SLC. This followed a similar trend with past years.

#### **6.2.2** Trace Chemistry

Trace metals not detected in Slate Creek during 2017 were arsenic, chromium, nickel, silver and zinc. Manganese tended to be higher in the second half of the year with the highest result of 96.3 ug/L at MLA (Figures 9-12), similar to the 2016 peak result of 95.6 ug/L also at MLA. In 2015 MLA had a lower peak value of the 64.7 ug/L.

Aluminum was found in all samples from the Slate Creek sites with the highest at site SLB reaching 120 ug/L in August. This was likely due to the contribution of the background site which had a result of 119 ug/L during the same sampling event. Aluminum concentrations were much the same in 2016. However the aluminum result were considerably higher in 2015 when the peak aluminum value was 242 ug/L also at MLA. Please note, effective October 24<sup>th</sup>, 2013 Upper

Tolerance Limits (UTLs) were established for the Slate Creek sites which resulted in all Slate Creek aluminum result below water quality limits.

Iron levels tended to be higher at the background site and trended lower at the downstream sites. The lowest iron levels among all sites occurred in early summer. All samples throughout 2017 were below the iron WQS of 1 mg/L.

Similar to 2016, one elevated result of manganese was observed at MLA in November 2017 (96.3 ug/L). All downstream sites returned lower manganese concentrations with all remaining below 40 ug/L throughout 2017. This down from 2016 when peak downstream values approached 70 ug/L. In 2015 the peak manganese result was 64.7 ug/L. In 2013 and 2014 peak values during those two years were greater than 100 ug/L.

Zinc was detected five times at SLB in 2017. Zinc was found in two samples during the year at MLA, one of which was the highest result among the four sites, 3.8 ug/L in October. SMP-5 had five detectable zinc results which did not exceed 3.1 ug/l. Zinc was found three times at SLC in 2017, with a peak value of 3.0 ug/L in September. Overall Zinc followed similar trends as the three previous years of monitoring on Slate Creek.

Similar to previous years, mercury was detected at very low levels in the majority of samples collected from all Slate Creek monitoring stations – SMP-5 had the least detections. The values among sites trended similarly. The highest mercury result in 2017 occurred at station SLC (0.0035ug/L) down from last year's peak value of 0.0060 ug/L also at SLC.

Much like the previous year, pH trended similarly among the Slate Creek sites in 2017, site MLA had the highest result of 8.17 s.u. in June, the lowest result occurred at site SLC, 6.53 s.u. in October. Sulfate was relatively low at all Slate Creek sites through 2006 and up to June 2007, remaining below 5 mg/L. Sulfate increased at SLB and SLC from August 2007 to February 2008 and showed a peak of 16 mg/L at SLB in April 2008. Levels dropped again in May 2008, but again increased to around 15mg/L in September 2008 with another peak in September 2009. Sulfate levels approached 17 mg/L in March 2010, but the greatest increase was seen in December 2010 when sulfate reached 85 mg/L. 2011 showed an increase in sulfate levels for all stations except MLA. In 2012 sulfate showed a significant decrease compared to 2011. The highest sulfate levels occurred at stations SMP-5 and SLB with respective values of 166 and 187 mg/L. Compared to previous years,

sulfate in 2013 demonstrated an upward trend with the greatest values occurring at sites SMP-5 and SLB. Their respective sulfate peaks were 225 mg/L and 214 mg/L, both below the WQS of 250 mg/L. Similar to the previous year, sulfate in 2014 demonstrated a slight upward trend. In 2014, the highest sulfate results occurred at sites SMP-5 and SLB with respective values of 239 mg/L and 220 mg/L. In 2015 sulfate demonstrated a downward trend. The lowest concentrations were found at the background site. Site SLB had the greatest sulfate value found in June (206 mg/L). Once again throughout 2016 sulfate trended downward. The peak sulfate result of 180 mg/L occurred at SMP-5 in July. Sulfate in 2017 demonstrated an increase at the downstream sites, while MLA displayed historical trends. The peak downstream sulfate value was 241 mg/L at SMP-5 in November, still under the WQS of 250 mg/L.

Nitrate was present at low levels (<0.2 mg/L) during 2006 and occasionally in 2007 and early 2008. It was not detected between April 2008 and February 2009 but appeared again at all sites from March to June 2009 (around 0.35 mg/L). This contrasted with 2010 when no nitrate was detected at MLA and only very low levels were present at SLB in March and May (<0.1 mg/L) followed by an increase at SLB in December (0.36 mg/L). Similar to 2010, in 2011 MLA did not have detectable levels of nitrate with the exception of one result in May of 0.055 mg/L. 2012 demonstrated consistently low levels of nitrate for the majority of the year at all sites, however the last quarter of the year showed an upward trend at all sites with the exception of MLA. Again in 2013 nitrate was not detected at site MLA. At the downstream sites SMP-5, SLB and SLC nitrate fluctuated with peak values in March and August, the greatest occurring at SMP-5 (3.19 mg/L), but remaining below the WQS of 10 mg/L. In 2014, nitrate was not detected at the background site but was present in the majority of the downstream samples. In 2015, site SLB had the highest nitrate result of 3.39 mg/L in April. Similar to the previous year nitrate was not detected at site MLA. Concentrations at the downstream sites were slightly higher than 2014's values. The peak value of 4.8 mg/L was found at SMP-5 in June. Much like previous years, nitrate was not detected at MLA throughout 2016. The remaining downstream sites exhibited low concentrations of nitrate during the year, with all sites remaining below 5.2 mg/L. Again in 2017 nitrate was not detected at the background site but was present at low concentrations in all downstream samples. The highest concentration was found at site SMP-5, 5.14 mg/L.

In 2017 one conductivity value at MLA is considered an outlier with a result of 308.6 umho/cm in September, the remaining eleven results were under 93 umho/cm. The downstream sites in 2017 demonstrated historical conductivity trends with no notable peaks in 2017. During 2016 conductivity at MLA closely matched the previous year, ranging 37.4 umho/cm to 100.7 umho/cm. The downstream sites demonstrated slightly lower conductivity patterns SMP-5 ranged 71.9 to 432.7 umho/cm, SLB 143.4 to 430.7 umho/cm and SLC 78.9 to 309.8 umho/cm. In 2015 conductivity at MLA remained below 116 umho/cm. SMP-5 ranged from 36.8 umho/cm to 498.7 umho/cm. SLB ranged from 39.3 umho/cm to 474 umho/cm and SLC with slightly lower results ranged from 38.5 umho/cm to 393.5 umho/cm. In 2014 conductivity at MLA remained below 130 umho/cm. Sites SMP-5 and SLB had a greater range of values. SMP-5 ranged between 57 umho/cm to 411 umho/cm and SLB ranged between 66 umho/cm to 383 umho/cm. SLC's conductivity was lower compared to SMP-5 and SLB; conductivity ranged between 59.2 umho/cm to 285 umho/cm at SLC. In 2013 conductivity remained below 200 umho/cm at MLA and SLC, however SMP-5 and SLB showed a greater range with fluctuations between 53.8 umho/cm and 489 umho/cm. Similar to 2013, during most of 2012, conductivity typically ranged from around 100 umho/cm to 300 umho/cm at MLA and SLC. However, at SMP-5 and SLB higher levels occurred January through March ranging from 379 umho/cm to 572 umho/cm.

TDS typically fluctuated from 60 to 80 mg/L among all Slate Creek sites in 2006, increasing slightly in August 2007 when MLA reached 100 mg/L, SLB reached 110 mg/L and SLC registered 710 mg/L. MLA showed a peak of 180 mg/L in November 2007, while downstream sites remained less than 100 mg/L. In 2013 TDS at MLA remained below 81 mg/L for the year whereas the downstream sites yielded higher values. SMP-5 recorded the highest TDS result of 467 mg/L followed by SLB (424 mg/L) and SLC (213 mg/L). TDS at MLA in 2014 remained below 80 mg/L. Downstream the peak TDS value was 425 mg/L recorded at SLB followed by SMP-5 (415 mg/L) and SLC (298 mg/L). TDS at MLA in 2015 remained below 83 mg/L. As expected the downstream sites had greater values. The downstream peak value occurred at SLB (430 mg/L), followed by SMP-5 (404 mg/L) and SLC (328 mg/L). In 2016 TDS followed historical trends. TDS at MLA peaked at 202 mg/L and as expected the downstream sites had higher results. SMP-5's peak was 411 mg/L, SLB 417 mg/L and SLC 344 mg/L the lower result is likely due to the influence of West Fork Slate Creek. TDS at the downstream site in 2017 demonstrated a slight uptick. SMP-5 returned a peak

value of 492 mg/L. SLB also showed slightly higher values with a peak of 469 mg/L and SLC trended slightly upward with a peak of 363 mg/L. SLC's lower value can likely be attributed the contribution of the West Fork Slate Creek. 2017 TDS at the background site remained below 115 mg/L.

In 2006, color was very similar at MLA and SLB remaining around 40cu through the first part of the year then increasing in October to 120cu at MLA and 130cu at SLC. MLA tended to show the highest color in 2007, 2008, and 2009 with color reaching a maximum of 210 cu in September 2007. Color in 2014 followed a similar trend with MLA registering the greatest color value of 140 cu. SMP- and SLB both had peak values of 120 cu and SLC remained at 70 or less cu for the entire year. During 2015 color again was highest at MLA with a peak value of 100 cu. SMP-5 returned values ranging 5 cu to 90 cu. SLB values ranged 10 cu to 70 cu and similar to previous years SLC yielded to lowest results with all values remaining 60 cu or lower throughout the year. Again in 2016 MLA yielded the highest color values with a peak of 100 cu. As expected the subsequent downstream sites demonstrated lower values. It appears the further the site is located from the influence of a lake system the lower the color value. The respective 2016 peak color values for SMP-5, SLB and SLC are 90 cu, 70 cu and 60 cu. Color in 2017 showed little variation when compared to the previous four years. The peak values for the four sites: MLA – 100 cu, SMP-5 – 90 cu, SLB-90 cu and SLC – 80 cu.

Cadmium has not been detected at any Slate Creek stations in 2014, 2015 and again in 2016. Cadmium detections increased in 2017 with concentrations found at least once at all the downstream sites. This is likely due to the lowering of the detection limit from 0.10 ug/L to 0.020 ug/L. SMP-5 had one detectable result of 0.038 ug/L in July, SLB had four detectable results with the highest of 0.043 ug/L in July and SLC also had four detectable results with a peak value of 0.24 ug/L. Background site MLA had no detectable cadmium results in 2017.

Copper detection occurred for the first time at MLA in March of 2016 with a result of 2.1 ug/L. As for the downstream sites it was first detected at SLB in September 2006 (2 ug/L). Low levels (1.0 ug/L) were present on three occasions in 2007, then slightly higher levels (4 ug/L) in October and November 2007 and again in April and September 2008. These levels came close to

the hardness-based WQS, but did not exceed it. Copper was detected at low level during the first part of 2010. Copper in 2011 continued a downward trend with all results below the WQS and the highest result occurring at SMP-5 (3.1 ug/L) in October. Copper in 2012 was non-detectable at all sites throughout the year with the exception of one result at the detection level at SMP-5. Copper in 2013 was periodically detectable at SMP-5, SLB and SLC, the peak value occurred at SMP-5 in April (1.6 ug/L). Copper was non-detectable during 2014. Similar to 2014, copper in 2015 has remained non-detectable with the exception of one result of 1.9 ug/l at SMP-5 in November. In 2016 copper was detected twice, as mentioned above, once at MLA. It was also found once at SMP-5 in July with a result of 1.8 ug/L. Similar to previous years, limited copper detection occurred in 2017. One result was found above the detection limit at SLC, 1.2 ug/L in August. All other stations remained non-detect for copper throughout 2017.

Iron levels were highest at MLA from January to April 2006 and March/April 2007, but were exceeded by SLB in July-December 2006 (peak of 0.43 mg/L in July 2006), September-October 2007 and September 2008 (0.45 mg/L). Iron levels were lower in 2009 and 2010, peaking at 0.25 mg/L at MLA in November 2009 and 0.247 mg/L at SLB in May 2010. In 2011 iron trended similarly among the sites with all results under 0.20 mg/L, which is under WQS of 1 mg/L. Showing a similar pattern in 2012, iron trending similarly among the sites with all results under the WQS. Again, Iron in 2013, trended similarly among the sites, the peak values occurring in early spring. SMP-5 reported the highest iron value of 0.65 mg/L in March. Iron concentrations in 2014 trended slightly downward compared to 2013. The greatest value was recorded at MLA (0.38 mg/L) and the remaining downstream sites were below 0.37 mg/L. Throughout 2015 iron again trending similarly among the water quality stations. Again MLA recorded the peak iron value of 0.32 mg/L in November. The remaining downstream sites exhibited slightly lower concentrations compared to 2014, the concentrations remained below 0.29 mg/l at sites SMP-5, SLB and SLC. Little fluctuation of iron concentrations was noted for 2016. As with previous years MLA yielded the highest iron result, 0.367 mg/L in October, the downstream SMP-5 registered 0.331 mg/L followed by SLB with 0.241 mg/L and SLC with the lowest maximum result of 0.152 mg/L. In 2017 Slate Creek iron concentrations showed little variation with last year. SMP-5 yielded the greatest result of 0.44 mg/L, followed by SLB with 0.37 mg/L and MLA with 0.26 mg/L and SLC with 0.24 mg/L.

Aluminum has occasionally been present in background samples at concentrations greater than 87 ug/L. The background level was frequently responsible for the high aluminum recorded downstream. Aluminum at MLA was 82 ug/L in February 2010, but this did not exceed the WQS. Aluminum levels at SLB and SLC were much lower than MLA in December 2010. In 2011, aluminum continued to be present in higher concentrations which are thought to have resulted in increased downstream results during summer and early fall. Aluminum increased in 2012, with several results over the water quality standard in early spring and fall. This can be attributed to increased concentrations at the background site MLA. Continuing that same trend in 2013, aluminum values in September, October and November were elevated at the background site, which resulted in elevated downstream values. SLC had the highest aluminum value in 2013 which occurred in October (156 ug/L), the background result for that same sample event was 88.8 ug/L. Aluminum in 2014 trended similarly among the Slate Creek sites. The peak value occurred at SMP-5 in September (109 ug/L). Aluminum in 2015 showed an uptick. MLA had a peak value of 242 ug/L, SMP-5 167 ug/L, SLB 235 ug/L and SLC 101 ug/L. As previously mentioned all results remained below the UTLs with the exception of the background value of 242 ug/L. Aluminum in 2016 showed a marked decrease compared to 2015 of data. MLA returned a maximum value of 119 ug/l more than half the previous year's peak result at MLA. The downstream sites yielded similarly reduced concentrations of aluminum. The respective 2016 downstream peak results are: SMP-5 with 85.6 ug/L, SLB with 73.4 ug/L and SLC with 63.7 ug/L. Aluminum concentrations in 2017 followed typical trends but with mild peaks slightly higher than previous year's spikes. MLA returned a peak value of 119 ug/L in August, SMP-5, 96.2 ug/L also in August, SLB with 120 ug/L in October and SLC with a peak value of 111 ug/L in August. All 2017 aluminum values remained below the WQS.

Mercury had a peak of almost 0.01 ug/L at SLB in 2008, but only reached 0.003ug/L at SLB and 0.005 ug/L at SLC in 2009. 2010 levels were similar to 2009, but only reached a maximum of 0.0026 ug/L at MLA and SLB. Mercury was detected in the majority of the samples from all sites in 2013. During 2014, mercury was detected in the majority of the Slate Creek samples. Similarly in 2015 mercury was found throughout the year at low levels in most samples. The concentrations remained low and compared to previous years mercury showed similar trends with no marked increase. 2016 had a peak mercury result of 0.0055 ug/L at SMP-5. Compared to historical data,

again in 2017, no appreciable increase in mercury concentrations were noted. The maximum result was measured at SLC in August, 0.0035 ug/L.

Zinc was not detected during the first part of 2006, appearing at low levels in both background and downstream sites in fall 2006. Zinc levels at SLB increased in May 2007 and exceeded the WQS in March 2008 (81.2ug/L), April 2008 (180 ug/L), October 2008 (72.7 ug/L), January 2009 (58.3 ug/L), but values were much lower throughout the rest of 2009 and 2010, only reaching 13.7 ug/L in April 2010. Zinc continued a downward trend in 2011 with a peak value of 12.0 ug/L in August. Zinc in 2012 continued to trend downward with the highest result of 6.0 ug/L found at SLB in October. In 2013, among the downstream sites zinc trended slightly higher than in 2012, with the highest result detected at SMP-5 (8.6 ug/L). Zinc was not detected during 2014 at MLA. The majority of the downstream samples were also non-detect. SMP-5 returned the greatest zinc result of 4.0 ug/L, down from the previous year's high of 6.0 ug/l. In 2015, zinc was not detected at site SLB, found twice at MLA and SLC and once at SMP-5 which was the peak value at 7.9 ug/L. In 2016 zinc remained largely undetected at the Slate Creek water quality stations. MLA had three samples where zinc was present one of which accounted for the maximum result for 2016, 4.5 ug/L. SMP-5 had two sample where zinc was present, SLB and SLC both had one sample with detectable concentrations of zinc. All downstream sites' zinc results were at or below 4 ug/L. Zinc was not detected on Slate Creek throughout 2017.

Nickel was present at SLB and SLC at low levels during 2006, increased in August 2007 and peaked in April 2008, but remained less than 5ug/L in 2009 and less than 2 ug/L in 2010. Nickel marked a slight increase during 2011 with a peak value of 4.4 ug/L in October. During 2012 nickel showed a decrease with the peak value of 1.7 ug/L occurring at SMP-5 in March. Nickel was undetected at MLA in 2013. At sites SMP-5, SLB and SLC nickel was found at low levels with an increase over the previous year's peak value (1.7 ug/L); the 2013 peak value was 8.6 ug/L at SMP-5. Nickel demonstrated a marked decrease in 2014 with all stations reporting non-detect results for 2014. Similar to the previous year nickel in 2015 remained non-detect in all Slate Creek samples with the exception one result slightly over the detection limit at site SMP-5 in March. Nickel was non-detect throughout 2016 and again in 2017 at all Slate Creek stations.

Manganese was not detected at downstream sites during the first part of 2006, but showed elevated levels at SLB in September 2006 (90 ug/L). Background manganese was above the WQS at this time (56 ug/L) and again in December 2006, March, April, August, November and December 2007, November 2008 and October 2009. SLB exceeded the WQS for manganese in October and November 2007, March, April, October, November, December 2008, January and May 2009, and January, March, May and December 2010. The highest level recorded was 228ug/L in March 2010. As with previous years, 2011 demonstrated an increase in manganese concentrations with a peak value of 334 ug/L in March. Manganese in 2012 was similar to 2011 results, with higher trends in winter and early spring. In 2013 manganese showed a marked decrease at all downstream sites starting in March. The greatest manganese value was 161 ug/L at SMP-5 whereas the previous year the manganese value was 256 ug/L at the same site. Similar to the previous year manganese in 2014 continued to trend downward. The background site had the peak value of 102.0 ug/L in November. Continuing to trend downward in 2015 manganese demonstrated lower concentrations than 2014 results. Again the peak value was detected at the background site MLA (64.7 ug/L), SMP-5 remained below 46 ug/L and the remaining sites SLB and SLC were at or below 30 ug/L for the year. Manganese in 2016 showed a similar but slight upward trend compared to 2015. With concentrations tending to be highest in the winter months. The background site MLA averaged higher concentrations than downstream sites. MLA also had the peak value for the year with 95.6 ug/L in November, whereas the downstream sites remained below 60 ug/L throughout the year. Manganese throughout 2017 followed typical but slightly lower trends compared to the previous four years at all Slate Creek sites. Values tended to be lower during the summer and higher in late fall and winter. Again MLA yielded the greatest result of 96.3 ug/L while the downstream sites remained below 40.0 ug/L.

#### **6.3** Receiving Waters- Sherman Creek

#### **Monitoring Sites**

- SH109- Upper Sherman Creek upstream of disturbance
- SH113- Sherman Creek downstream of Outfall 001
- SH105- Sherman Creek downstream at mouth of creek

#### **6.3.1** Major Chemistry

Water quality monitoring on Sherman Creek was intended to help identify any potential impacts from underground mine activities as all drainage from the mine flows to the Sherman Creek drainage (Figures 13 -15). Temperature is typically highest at SH113 just downstream from the 001 effluent discharge and coolest at SH109 the background station for Sherman Creek. However this was not the case in 2013 the highest temperature was at SH109 and the lowest at SH105. Following the typical trend, temperature in 2014 was lowest at SH109 and warmest at SH113. In 2015 the highest temperature was recorded at the furthest downstream site SH105, 11.1 °C in August followed by SH113 (10.8 °C) and SH109 (10.4 °C). In 2016 temperature followed a more typical pattern with the background site SH109 remaining slightly cooler than the two downstream sites SH113 and SH105. Temperature peaked at SH113 with result of 10.4 °C in August whereas SH105 and SH109 both remained below 9.6 °C for the year. Again in 2017 the background site SH109 recorded lower overall temperatures than the downstream sites. SH109 averaged 4.3 °C, SH113 reported the highest temperatures with an average of 6.3 °C and SH105 averaged 5.2 °C.

Dissolved oxygen was similar at upstream and downstream sites throughout the 2017. Measurements of DO tended to be lower in summer as water temperature increased and DO was higher in winter as temperatures decreased. Sherman Creek sites in 2017 exhibited peak DO values during midwinter; this was similar to the previous four year trend. No unusual fluctuations or results were noted. All monitoring stations ranged approximately 11-15 mg/L, SH105 demonstrated slightly higher results which is likely due to its downstream location and more aeration from cascades and falls.

Measurements of pH appeared consistent among the three Sherman Creek sites throughout 2017 with little fluctuation. Site SH113 demonstrated slightly more basic results compared to the sites SH109 and SH105. The highest 2017 result (7.97 s.u.) occurred at SH113 in June, followed by 7.82 s.u. at SH105 in June and 7.74 s.u. at SH105 also in February. pH stayed within the 6.5-8.5 water quality criteria for all Sherman Creek stations in 2017.

In 2015 the highest pH was 8.09 s.u. at SH105 in February, whereas the previous year the highest value was 8.14 s.u. at SH109. In 2015, the minimum pH result of 6.07 s.u. was recorded at

SH105. During this same monitoring event pH at SH109 was 6.24 s.u. This indicates the SH105 pH result of 6.07 s.u. was a result of background water quality.

Much like previous years, conductivity in 2017 was highest at site SH113 (middle site) and lowest at SH109 (upper site). At site SH105 (lower site) conductivity ranged 42.6 – 158.5 umhos/cm in 2017. For the background site SH109 conductivity registered 28.0 umhos/cm – 72.7 umhos/cm and downstream of Outfall 001 SH113 ranged 71.1 umhos/cm – 256.3 umhos/cm. Last year in 2016 conductivity at SH105 ranged 43.5 umhos/cm – 137.6 umhos/cm, SH109 31 umhos/cm –63.4 umhos/cm and SH113 51.70 umhos/cm – 288.7 umhos/cm. In 2017 all sites tended to have higher conductivity in winter and early spring. Whereas in 2016 SH113 had peak values in late summer and fall. This was also the case in 2015 and 2014, whereas in 2013 the highest values occurred during midsummer.

Turbidity in 2017 was much like the previous year with very little fluctuations with the exception of one slightly elevated peak result at SH113 of 2.5 NTUs at SH113 in March. In 2017 sites SH109 and SH105 both remained below 1.2 NTUs for the year. In 2016 turbidity trended lower than 2015. The peak turbidity result was 1.57 NTU at SH113. All Sherman Creek sites averaged turbidity lower than 0.60 NTU for 2016. The peak turbidity value in 2015 was 6.5 NTU whereas in 2014 the peak value was 1.55 NTU.

Throughout 2017 total suspended solids remained non-detect at all Sherman Creek sample locations. TSS remained largely non-detect in 2016. Each water quality station had one TSS detectable result. SH113 had a peak value of 7.2 mg/L, while the two remaining sites' peak values were 6.0 mg/l or less. In 2015 slightly higher concentrations of TSS occurred. Twice each site returned detectable levels, whereas in 2014 all sites were non-detect with the exception of one result at the detection level.

Trending with conductivity, total dissolved solids (TDS) were generally higher during winter and spring months. 2017's TDS was highest at SH113 in January (236 mg/L) and lowest at SH109 in September (49 mg/L). No marked differences were noted with 2017's TDS results. In 2016 TDS was greatest at SH113 (265 mg/L) in November and lowest at SH109 (77 mg/L) in April. TDS concentrations throughout 2016 were largely similar to 2015 with no marked differences. Both 2015

and 2016 TDS peak results indicate a decrease from 2014's TDS concentrations where the greatest value was 420 mg/L.

Throughout 2017 ammonia was found in all samples from site SH113, ranging 0.34 – 1.26 mg/L. Ammonia was detected in seven of the twelve samples from SH105 ranging 0.10 – 0.32 mg/L and ammonia was non-detect throughout 2017 at SH109. During 2016 ammonia was detected in eleven of the twelve samples at SH113, ranging from non-detect to 1.23 mg/L – this followed the 2014 and 2015 data with the same number of detectable samples but with slightly higher peak concentrations. Ammonia at SH105 was detected in eight of the twelve samples all of which remained under 0.30 mg/L throughout 2016. Both in 2014 and 2015 at SH105 ammonia was detected in six samples with concentrations remaining under 0.21 mg/L. Similar to the previous two years, ammonia in 2016 remained undetectable with the exception of one result (0.11 mg/L) slightly above the detection limit in March. Since January 2006 ammonia has been detected only six times at the background site SH109 with no results greater than 0.2 mg/L.

The nitrate levels at the SH109 site was below 0.50 mg/L throughout 2017. This up from the 2016 peak result of 0.22 mg/l at SH109. In 2017, of the three sites, SH113 showed the highest level in March at 4.6 mg/L while SH105's peak value reached 3.46 mg/L in January. Throughout 2017 nitrate at SH109 remained below 0.5 mg/L and on two occasions was not detected. At SH105 and SH113 nitrate values have demonstrated a slight upward trend with seasonal fluctuations from 2013 to 2016. However in 2017 values demonstrated a slight downward trend.

Similar to previous years, in 2017 sulfate tended to be highest at SH113 and lowest at SH109. Following that trend in 2017 sulfate at SH113 peaked with 94.1 mg/L in March. In 2016 the highest result was found at SH113 in February (78.1 mg/L down up from 2015's peak result of 65.2 mg/L also at SH113.). The lowest 2017 sulfate level recorded occurred at SH109 which was 3.17 mg/L in May. This closely matched data from the previous four years. Sulfate was less than 55 mg/L at SH105 throughout the year. This also was comparable to the previous four years when sulfate concentrations for SH105 remained below 53 mg/l. Historically sulfate at SH109 has been found in low concentrations. Since January 2006 sulfate at SH109 has remained below 2.4 mg/L

In 2017 much like 2015 and 2016 chloride was detected in all samples for SH105 and SH113. SH109 was undetectable for 2017 with exception of two results. Whereas in 2016 chloride

was non-detect for the year. Similar to 2017, in 2015 chloride was found in two samples. Chloride reached a peak of 24.0 mg/L at SH113 in January. Overall, no marked difference was noted for Sherman Creek chloride results compared to previous years. All chloride concentrations were below the water quality standard of 250 mg/L.

As a result of the new APDES permit becoming effective June 2017 total residual chlorine (TRC) was required to be monitored at all three Sherman Creek sites. TRC was non-detect in all samples at all three Sherman Creek stations June to December 2017.

In 2014 hardness at SH113 averaged 73.8 mg/L and the peak value was 108 mg/L, whereas SH105 and SH109 averaged 54.8 and 39.4 mg/L, respectively. Throughout 2015 hardness remained below 53 mg/L at SH109 and averaged 37.8 mg/L. SH105 remained below 79 mg/L for 2015 and averaged 48.8 mg/L. In 2015 SH113 hardness averaged 73.8 mg/L and peaked at 108 mg/L, SH105 and SH109 averaged 48.8 and 37.8 mg/L. Hardness in 2016 followed typical trends. SH113 averaged 82.5 mg/l with a peak of 129 mg/L. SH105 averaged 51.0 mg/L and SH109 averaged 38.5 mg/L. In 2017 SH109 hardness averaged 41.2 mg/L, SH113 averaged 82.9 mg/L and SH105 averaged 54.6 mg/L. As expected for all sites, hardness tended to be lowest during summer months as a result of higher seasonal stream flows.

#### **6.3.2** Trace Chemistry

Trace metals not detected in Sherman Creek during 2017 were arsenic, chromium, lead, nickel, silver and zinc. Following the previous year's trend aluminum peaks decreased in 2017. The highest value of 70.5 ug/L was found at SH105 followed by 58.9 ug/L at SH109 and SH113 with 38.5 ug/L. Aluminum in 2016, at SH105 the highest value was 119.0 ug/L followed by SH113 at 111.0 ug/L and SH109 with 92.0 ug/L. In 2015 elevated aluminum was found at SH105 in April (153 ug/L) and August (203 ug/L). SH113 during the same time period in 2015 also experienced increased aluminum concentrations, April (144 ug/L) and August (179 ug/L) as did the background site SH109 in April (148 ug/L) and August (184 ug/L). Historically the background site has exhibited elevated levels of aluminum which indicate the source is naturally occurring and not attributed to the Outfall 001 discharge.

In 2017 copper was detected four times at SH105 and SH113 and five times at SH109. None of the results were greater than 2.6 ug/L which was the peak value for Sherman Creek at SH109 in

August. In 2016 copper was detected three times at SH105 and SH1113 and four times at SH109, none of the results from the three sites exceeded 1.8 ug/L. Similarly, in 2015 copper was detected four times at SH105 and five times at both SH113 and SH109. Copper values also remained low in 2015, the highest concentration detected was 2.7 ug/L at SH109 in August. Previously in 2014 copper was detected four times at SH105, four times at SH113 and five times at SH109. The greatest concentration of copper in 2014 was 1.5 ug/L at SH105 in March.

In 2017 manganese was detected in all samples from SH105 and SH113 and found in four of the twelve samples from SH109. The peak 2017 manganese result of 42.4 ug/L was recorded at SH113 in March. In 2016 manganese was detected in all samples from SH105 and SH113 and detected in nine of the twelve samples from SH109. The peak 2016 manganese sample was 19.0 ug/L at SH109. For 2015, manganese was detected at low levels in nine of the twelve samples from SH109; it was present in all samples at SH113, with concentrations reaching 21.2 ug/L in April. Manganese concentrations were slightly higher at SH105, reaching 23.4 ug/L.

In 2017 mercury was detected in nine samples at SH105 and ten samples at SH109 and seven samples at SH113. Throughout 2017 mercury did not exceed 0.0025 ug/L and the peak value was found at SH113 in April. In 2016 mercury concentrations were found in six SH105 and SH109 samples and ten SH113 samples. In 2016 mercury values in Sherman Creek did not exceed 0.0032 ug/L. SH113 produced the highest mercury average but the greatest result of 0.0032 ug/L occurred at SH105 in April. In 2015 mercury was detected at SH113 on five occasions. Mercury was also detected at SH105 five times which had the highest concentration for the year in April (0.0024 ug/L). Mercury was detected four times at SH109 in 2015 with concentrations not exceeding 0.0016 ug/L. Previously in 2013 and 2014 mercury was not detected at the background site SH109.

Much like 2016, in 2017 iron was found on nineteen occasions in Sherman Creek. All results remained below 0.78 mg/L with greatest value recorded at SH113 in March. In 2016, all results remained below 0.42 mg/L with the peak value of 0.41 mg/L found at SH113 in April. In 2015 iron was found on twelve occasions in Sherman Creek, five times at SH113, three times at SH109 and four at SH105 with all concentrations being below 1.0 mg/L with the highest value of 0.556 mg/L at SH109 in May. 2014's peak iron value was 0.106 mg/L.

A comparison with 2006-2007 data shows that Sherman Creek appeared to have slightly lower pH in the latter half of 2008 than previous years, but remained at normal levels in 2009 and 2010. The pH at the background site SH109 was lower than usual in August 2010. This changed in 2011 with pH values at SH109 ranging between 7.5 and slightly over 8.0. The same pattern held for SH109 throughout 2012. Sites SH105 and SH113 exhibited steady pH values between 7 and 8 s.u. with the exception of one value of 6.76 s.u. at SH113 in November 2012. During 2013 pH once again was steady at all Sherman Creek sites throughout the year. All pH values maintained a range between 7 and 8 pH with the exception of one value at SH113 dipping to 6.77 pH in October. In 2014 Sherman Creek pH had a broader range. This was noted particularly at site SH105 where pH ranged 6.23 to 8.08 s.u. To a lesser degree pH ranged 6.72 to 8.14 s.u. at site SH109. Throughout 2014 pH was steadier at SH113 where measurements fluctuated between 7.09 and 7.86 s.u. Again in 2015 a slightly lower trend of pH was noted. SH105 ranged 6.07 - 8.09 s.u., SH113 6.27 - 7.85s.u. and SH109 6.24 – 7.77 s.u. pH values below 6.5 s.u. occurred in May and October during which time the background site also experience lower pH, indicating the pH dip is naturally occurring. pH in 2016 demonstrated a tighter range than previous years. All sites reported values 6.5 - 8.5 s.u. SH105 had the broadest range among the three sites in 2016, 6.50-7.56 s.u., this was followed by SH109 with 6.73-7.61 s.u. and SH113, 7.02-7.83 s.u. Again in 2017 all pH results were comparable to historic trends. SH105 ranged 6.68 - 7.82 s.u., SH109 ranged 6.91 - 7.74 s.u. and SH113 ranged 7.13 - 7.97 s.u.

Turbidity appeared lower in 2011 than 2010, this may be in part due to higher background turbidity in 2010, but 2011 displayed the opposite results with much lower background turbidity. Turbidity in 2012 remained below 3 NTU, with the highest result of 2.8 NTU occurring at the background site in May. Turbidity demonstrated little fluctuation at all sites throughout 2013, all values remained under 1.0 NTU. Following a similar pattern in 2014, turbidity did not exceed 1.6 NTU at any of the Sherman Creek stations. In 2015 turbidity remained low at all Sherman Creek stations with the exception of two spikes one in April and one in August. The peak turbidity value of 6.5 NTU was found at SH113 in August. All noted spikes in 2015 can be attributed to elevated background turbidity, indicating the cause is naturally occurring. Turbidity in 2016 exhibited little fluctuation and all results from the three water quality stations remained under 1.6 NTU. The peak result was 1.57 NTU reported at SH113 in September. Turbidity throughout 2017 remained low at

the Sherman Creek stations. As in 2016, the peak 2017 value was recorded at SH113, was 2.5 NTU in March. The remaining stations SH105 and SH109 registered values below 1.1 NTU through the year.

Ammonia was present at low levels in late 2006 and 2007, then it remained undetected until June and August 2009 and July-September and December 2010. In 2011 ammonia was present in the majority of the samples from SH113 whereas it remained undetected at all other sites with the exception of one result in July at SH105. The peak ammonia value in 2011 was 1.12 mg/L at SH113. Ammonia in 2012 was detected once at SH105, once at SH109 and seventeen times at SH113. The peak ammonia result of 0.69 mg/L occurred at SH113 in October. Ammonia concentrations increased at SH113 in 2013, it was detected in all twelve samples; the highest value of 1.33 mg/L occurred in August. Ammonia was detected at low concentrations once at SH109 and five times at SH105 in 2013. Ammonia in 2014 was not detected at the background site SH109. It was detected six times at SH105 and eleven times at SH113. The peak ammonia result occurred at SH113 in September (0.77 mg/L). Similar to 2014 ammonia was not present in background samples in 2015. It was present in six SH105 samples and eleven SH113 samples. The highest ammonia result of 0.74 mg/L occurred at SH113 in February. All ammonia results in 2015 remained below the WQS. Ammonia detection in 2016 was similar to previous years. Ammonia was found in one of the twelve samples at the background site (0.11 mg/L in March). It was detected eight times at SH105 and in all but one sample at SH113. As expected the peak result occurred at SH113, 1.23 mg/l in October. All 2016 ammonia results remained under the WQS. Ammonia in 2017 followed historical trends. Station SH109 returned non-detect results for the year. Ammonia was detected on seven occasions at SH105 all of which remained under 0.32 mg/L. Much like previous years SH113 registered the peak ammonia value with 1.26 mg/L in October.

Chloride appeared to have an increasing trend from July 2007 to March 2008, but was present at much lower levels (less than 4 mg/L) from May 2008 and remained below 6.0 mg/L during 2009 and the first half of 2010. Slightly higher chloride levels (8-14 mg/L) were observed in August, September and December 2010, but these levels are well below the 250 mg/L WQS. Again in 2011 a slight upward trend for chloride was noted in the downstream sites with a peak value of 18.7 mg/L at SH113. Chloride in 2012 was present in most samples with the exception of five non-detect results at SH109. Chloride trended similar to 2011 with the peak value of 19.0 mg/L at SH113 in December

of 2012. Very little change in chloride concentrations were noted at all Sherman Creek sites during 2013. The highest chloride value again occurred at SH113 (11.6 mg/L), which was down from the 2012 peak chloride value. Chloride in 2014 was not detected on eight occasions at the background site SH109. Both SH105 and SH113 exhibited a chloride uptick in 2014. In 2014 SH113 had the peak value of 26.5 mg/L up from 2013's peak of 11.6 mg/L. Chloride in 2015 demonstrated little change compared to the 2014 data. Again the peak result was found at SH113 with a slightly higher value of 33.4 mg/L. Little change in chloride values occurred in 2016. SH109 remained non-detect for the year, SH105 was found to have chloride in all samples but did not exceed 14.0 mg/L and as expected SH113 returned the peak result of 44.0 mg/L. Chloride in 2017 was detected more frequently than in the past at the background site; it was found on four occasions. SH105 had detectable levels of chloride in all twelve samples, all results were 14.0 mg/L or less. SH113 contained the highest concentrations of chloride with a maximum value of 24.0 mg/L.

Nickel was not detected between June 2008 and November 2009 and most of 2010 (only detected in February, September, December at low level). Fewer detections of nickel occurred in 2011 when compared to previous years. Only two samples had nickel results both in March at SH113 and both under 2.0 ug/L. Nickel continued to follow a downward trend with no detectable concentrations at any Sherman Creek sites in 2012. Again in 2013 nickel remained undetected at all Sherman Creek sites. Similar to the previous year nickel in 2014 was undetected at all sites with the exception of one result slightly over the detection level at SH113. Nickel has not been detected in Sherman Creek since 2014, such was the case again in 2017.

Manganese was low until July 2007, increasing at SH113 at high flow in fall of 2007 and spring and fall of 2008. Manganese levels at SH113 never exceeded 26 ug/L in 2009, but in 2010 three samples exceeded 50ug/L. The upward trend of manganese continued in 2011 with slightly more than half the samples at SH113 over 50 ug/L. Manganese trended upward at SH113 during the first three months of 2012 with five results greater than 80 ug/L. However for the remainder of the year all results were below 42 ug/L with the exception of one result of 60.7 ug/L at SH113. As for the other sites manganese remained below 35 ug/L for 2012. In 2013 manganese demonstrated an upward swing at SH113 during the first part of the year; the highest value of 101 ug/L occurred at this site in March. However after March manganese concentrations dropped below 50 ug/L for the remainder of the year with the exception of one result of 70 ug/L in December. The other two sites

yielded lower levels of manganese in 2013, SH105's peak value was 35 ug/L and SH109 levels remained below 4 ug/L. In 2014 a decrease was noted for manganese at the downstream Sherman Creek stations particularly SH113. All results were below 31 ug/L with SH113 yielding the peak value of 30.4 ug/l in November. In 2015 manganese trended lower than 2014 data at station SH113. The peak result for SH113 was 21.2 ug/L in April. SH105 yielded the highest result for Sherman Creek, which was 23.4 ug/L also down from the previous year's peak result. SH109 demonstrated low manganese concentrations with the exception of two results in April and August, however both results were below 16.0 mg/L. Manganese concentrations remained low at all Sherman Creek sites throughout 2016. The data indicates slightly lower results than the previous year. The peak value 19.0 ug/L was found at SH113 and SH105 and SH109 remained under 13.0 ug/L for 2016. The data in 2017 indicates a slight uptick in manganese concentrations at the two downstream sites SH113 and SH105. Results at the background site showed no marked difference when compared to previous years. SH113 maintained the highest concentrations of manganese throughout 2017 and returned the maximum result of 42.4 ug/L in March. SH105 values trended slightly higher than the previous results in 2016, SH105's peak 2017 value was 8.4 ug/L. All 2017 manganese results remained below the WQS of 50 ug/L.

Iron was detected at SH105 twice in 2006 and twice in 2007. Iron was not detected in 2008 and appeared only once at SH113 in 2009 (January) and once in 2010 (November) at low levels. In 2011 Iron was detected three times with all values at or below 0.075 mg/L. During 2012 iron was periodically detected at all sites with the greatest result of 0.177 mg/L occurring at SH113 in April. Similarly in 2013 iron was periodically detected at all sites, again SH113 had the highest value of 0.232 mg/L in May but then remained undetected thereafter during 2013. In 2014 the downstream sites displayed an upward trend in iron concentrations, more detectable results were yielded by both SH105 and SH113 than in 2013. In 2014 SH113 had the greatest iron concentrations with the peak value of 0.106 mg/L occurring in September. In 2015 two iron spikes were noted at all three water quality stations. The spikes occurred in April and August. The greatest result of 0.556 mg/L was detected a SH109 in August and a slightly lesser result of 0.539 mg/L was noted in April. Both elevated results are responsible for increased concentrations downstream at SH113 and SH105 during the same sample event. All 2015 iron results remained below the water quality standard. In 2017 iron

remained non-detect at SH109 in all but two samples, both of which remained below 0.07 mg/L. SH105 remained non-detect for the first seven months of 2017 then was detected thereafter, with a peak result of 0.152 mg/L. Iron was detected in all samples from SH113 with the highest value of 0.78 mg/L in June.

Sulfate, TDS and conductivity tend to follow hardness patterns, peaking at SH113 in February 2008, March 2009, and February 2010. The same pattern continued in 2011 with sulfate, TDS and conductivity peaking in March, with the exception of TDS peaking in February at SH113. Conductivity has typically been higher at SH113 than upstream or downstream sites and this held true through 2011, 2012 and 2013. Conductivity during the historical peak months of January through April was higher in 2011 as compared to previous years during the same period. Conductivity in 2012 followed a similar pattern when compared to 2011. During the peak months of January through April 2013 conductivity showed a slight increase over the previous year. TDS followed historical patterns at all sites, peaking in the winter and decreasing during the summer months. Sulfate has demonstrated a downward trend since 2008 with a peak value of 82.9mg/L in February as compared to February's peak value in 2010 of 40.7 mg/L. Sulfate showed a slight increase during peak months in 2011 but was still lower than historical peaks. Following the 2011 trend sulfate during 2012 peaked in the winter/early spring months with a high result of 58.9 mg/L at SH113 in February. No changes were noted with the sulfate trends in 2013. Again in 2014, sulfate trends remained similar when compared to previous years; sulfate peaked in late winter/early spring and tended to be lowest in midsummer. The highest value was reported at SH113 (74.1 mg/L) in February. Compared to previous years, 2015 sulfate results trended similarly. The peak value was detected at SH113, 65.2 mg/L in January. Throughout 2015, SH105 yielded results below 43 mg/L and the SH109 sulfate results remained below 11 mg/L. Similar sulfate concentrations were reported for the Sherman Creek sites in 2016. SH109 yielded results under 10.0 mg/L, SH105 did not exceed 45.0 mg/L and SH113 reported the peak result of 78.1 mg/L in February, up slightly from the previous year's peak. Sulfate concentrations at the Sherman Creek sites in 2017 showed similar trends compared to previous years. Results tended to be higher during the winter and early spring low flow periods and trended downward towards summer and fall. As expected the background site demonstrated concentrations below 12.5 mg/L. SH105 yielded a peak result of 54.3 mg/L in January.

SH113 had the greatest concentrations of sulfate throughout 2017 with a peak value of 94.1 mg/L in March. All 2017 results remained below the sulfate WQS standard of 250 mg/L.

TDS in February of 2008 was greater than 200 mg/L whereas TDS in February of 2010 was less than 150 mg/L. TDS appeared to take an upward turn from 2010 with increased peak values between 175 and 200 mg/L recorded in 2011. TDS in 2012 appeared the same with peak values between 125 mg/L and 211 mg/L. TDS in 2013 continued with the same trend with peak values reported at SH113 ranging from 176 mg/l to 209 mg/L. TDS in 2014 continued a similar trend with the majority of downstream values remaining below 230 mg/L with the exception of one value of 420 mg/L at SH105 which accounted for the peak 2014 value. Similar to 2014 TDS in 2015 remained below 261 mg/L throughout the year at all stations. The highest TDS result of 260 mg/L was reported at SH113 in January. SH105 had a peak TDS result of 156 mg/L also in January and SH109 results remained below 70 mg/L for the year. TDS values in 2016 remained similar to 2015's dataset. SH105 ranged from 38-154 mg/l, SH109 ranged from 26-77 mg/L and SH113 ranged from 42-265 mg/L with the peak result occurring in November. Similar to the past two years, TDS results in 2017 followed typical trends. SH105 ranged 54 – 180 mg/L, SH109 ranged 49 – 165 mg/L and SH113 returned slightly higher concentrations, ranging 59 – 263 mg/L.

Hardness values decreased in 2012, which had three peak values between 100 mg/L and 118 mg/L. Hardness in 2013 increased slightly with the peak values at SH113 ranging 120 mg/L to 124 mg/L. Hardness at SH105 remained below 91 mg/L throughout 2013 and SH109 returned results below 60 mg/L. Hardness in 2014 followed typical seasonal patterns with peaks occurring during low flow periods in the winter and lower values occurring during high flow periods in the summer and fall. In 2014 SH109 had the lowest hardness values and SH113 yielding the highest values ranging 40 mg/l to 124 mg/L. In 2015, SH109 returned the lowest hardness values ranging 21.9 mg/L to 52.5 mg/L, SH113 had to highest values and greatest range 33.2 mg/L to 108 mg/l. In 2016 no noted differences in hardness were found and all three sites followed historical trends. Again in 2017 hardness followed typical trends, although it was noted slightly higher maximums and minimums were found. This is likely due to greater seasonal fluctuations in stream flow at the Sherman Creek sites.

Historically nitrate has been observed at low levels in Sherman Creek. It showed a slight increase in February, May, October and November 2007 and in February 2008 then remained low until April to June of 2009 when levels were similar to November 2007. Nitrate levels in 2010 appeared slightly lower than 2009. Nitrate levels in 2011 were greater than 2010 levels with peak values between 1.3 and 1.9 mg/L whereas the previous year ranged approximately 1 mg/L or less. However, 2012 nitrate levels were lower than the previous year and more closely resembling pre-2011 levels with peak values less than 1.4 mg/L. Nitrate in 2013 remained at typical levels at site SH109. SH113 nitrate values showed an upward trend predominantly during the first part of 2013 with a value of 4.10 mg/L. Similar to SH113, SH105 nitrate concentrations increased during the first part of the year then trended downward during the spring and summer months. Nitrate at SH109 in 2014 followed historical trends and remained well below 1.0 mg/L for the year. As for sites SH105 and SH113 slight upward trends were noted with concentrations reaching a peak value of 3.36 mg/L at SH105. 2015 nitrate concentrations at SH105 and SH113 followed post 2012 patterns. SH113 returned the highest result of 3.86 mg/L in January. SH105's peak result also occurred in January (2.22 mg/L). SH109 nitrate remained below 0.18 mg/L throughout 2015, similar to historical data. Nitrate concentrations in 2016 at SH105 and SH109 closely resembled previous years. A slight increase over 2015 nitrate data was noted for SH113. The average nitrate result for SH113 for 2016 was 3.0 mg/l where the previous was 1.98 mg/L. The peak 2016 nitrate result for SH113 was 5.9 mg/L but still below the WQS of 10.0 mg/L. In 2017 nitrate was present in all Sherman Creek samples with the exception of two samples at the background site, no marked changes were noted in the nitrate dataset. SH113 averaged the highest nitrate concentrations but the peak value of 3.46 mg/L was detected at SH105 in January.

# 6.4 Receiving Waters- Ophir Creek

# **Monitoring Sites**

- SH111- Ophir Creek upstream of Comet Development Rock Stockpile
- SH103- Ophir Creek downstream of Comet Development Rock Stockpile

# 6.4.1 Major Chemistry

Water quality monitoring on Ophir Creek is intended to help identify any potential impacts from mine construction and development activities associated with the Comet Development Rock Stockpile. Figures 16 and 17 are graphical presentations of analytical results gathered throughout 2017. Monitoring station SH111 is often unavailable for sampling during low flow periods and frozen conditions in winter and at times inaccessible due to avalanche danger. Occasionally monitoring station SH103 is also unavailable for sampling due to low flow periods and frozen conditions During previous years, under the sampling plan, monitoring was required at SH111 and SH103 once every other month between May and November. Effective September 1st 2011 under a new APDES permit monitoring at both sites was increased to monthly, year-round. Under the current renewal of the APDES permit effective in June 2017 the monitoring interval remained unchanged with monthly sampling at both Ophir Creek sites.

As with the other receiving waters, Ophir Creek's monitoring data exhibited many trends in accordance with expected seasonal changes, increasing in summer and decreasing in winter. DO was very similar at both sites each time measurements were made. Measured conductivity at SH103 has often been the highest of all 12 monitoring sites on the project receiving waters, reaching 650 umhos/cm from January to April 2009 and 495 umhos/cm in November 2009. No samples were collected during this period in 2010. The highest recorded conductivity in 2010 was 165umhos/cm in November with 161 umhos/cm recorded in October. Consistent with previous years, SH103 had a high conductivity result of 558 umhos/cm in December 2011. Following a similar but in increasing trend the highest conductivity measurement for SH103 was 828 umhos/cm in April 2012. Again in 2013 SH103 reported the highest conductivity among all sites, 773 umhos/cm – down from 2012. The peak conductivity result in 2014 was 475.6 umhos/cm at SH103, which showed a marked decrease from the previous two years. Ophir Creek conductivity at SH103 in 2015 showed a marked decrease. Typically SH103 has the highest conductivity among all receiving waters sampling stations. However this was not the case in 2015, the peak result was 327.3 umhos/cm in March at the downstream site SH103. Upstream site SH111 did not yield typical results due to two conductivity spikes in August and September, 216.2 umhos/cm and 221.1 umhos/cm, respectively. Conductivity at SH111 during 2016 returned to historical results and no spikes occurred as they did in 2015. The peak conductivity value was found at SH111 in 2016 was 40.1 umhos/cm. Again in

2017 conductivity at SH111 remained low with all values below 44 mg/L. As noted earlier the downstream site SH103 typically exhibits higher conductivity results. In 2017 SH103 conductivity peaked at 1203 umhos/cm in January. This is considerably higher than peak values found historically at SH103. This is likely due to low flow and possible pooling of water at SH103.

Trending with conductivity, total dissolved solids at SH103 were elevated for portions of 2017. The resulting 2017 average at SH103 was 309 mg/L, up from the previous year. For SH111 in 2017 little change was noted in TDS and the site averaged 35.8 mg/L for the year. In 2016 total dissolved solids concentrations were greater at SH103, which averaged 192 mg/L. The upstream site SH111 averaged 27 mg/L. The peak result at SH103 in December (568 mg/L) was slightly over the WQS. As expected in 2015 total dissolved solids were found in greater concentrations at the downstream site. SH103 averaged 147 mg/L when SH111 averaged 61 mg/L. This was down slightly from the 2014 averages of 186 mg/L at SH103 and 65 mg/L at SH111. The highest 2015 TDS value occurred at SH103 in January (486 mg/L). This was down from 2014's peak result of 710 mg/L. The 2013 peak result of 566 mg/L also occurred at SH103.

Sulfate was found at low concentrations at SH111 for each sample event in 2012. Such was the case again in 2013, all sulfate results remained below 4 mg/L at SH111. In 2013 compared to SH111, SH103 had higher sulfate concentrations with two peak values over the WQS, 279 mg/L in January and 265 mg/L in April. During 2014 SH103 experienced two sulfate spikes above the water quality standard; in January a result of 286 mg/L and in March a value of 394 mg/L. Compared to previous years, sulfate in 2015 trended lower at the downstream site SH103. Two elevated results were noted, 203 mg/L in March and 131 mg/L in December. However both lower than 2014's peak results and both were under the water quality standard of 250 mg/L. Sulfate in 2015 remained low at SH111, all results were at or below 4.3 mg/L. Again in 2016 sulfate results at SH111 remained low with all results at or below 4.4 mg/L. SH103 experienced one elevated sulfate value in 2016, which exceeded the WQS of 250 mg/L. This occurred in March with a result of 294 mg/L, all other results remained at or below 236 mg/L. In 2017 an increase in sulfate concentrations was noted at the downstream Ophir Creek site SH103. The first three months of 2017 registered elevated sulfate concentrations for SH103: January with 659 mg/L, February with 318 mg/L and March yielding 539 mg/L. The remaining nine samples were under the WQS of 250 mg/L. In January through March

no water was available at SH111. For the remaining nine months, Site SH111 demonstrated little change from previous years; all sulfate results remained below 3.5 mg/L.

In 2017 hardness at SH111 showed little variation with previous years and ranged 20.1 mg/L to 27.7 mg/L. Hardness at SH103 in 2017 exhibited greater variation and larger spikes than previous years. Three large peaks occurred in January, February and March, 857 mg/L, 481 mg/L and 902 mg/L, respectively. Hardness in 2016 at SH103 trended with sulfate and exhibited higher concentrations in March and December with the highest result of 373 mg/l in March. This up from the 2015 peak result of 289 mg/L. In 2014 the peak value at SH103 was 472 mg/L. Compared to SH103 hardness was much lower at SH111 and remained below 34mg/l throughout 2016. This was down from 2015 when 57.0 mg/L accounted for the peak result. In 2014 SH111 hardness remained below 32 mg/L.

In the past chloride tended to be higher in winter than summer and was not detected at all in 2010, May-November samples. In 2011 chloride samples were detected in May at both stations and ranging 1.0 - 2.5 mg/L during the other months. In 2012 chloride ranged higher with concentrations 1.1 – 5.2 mg/L. Chloride in 2013 was not detected at SH111 and showed a similar trend at SH103 with values ranging from non-detect to 6.6 mg/L. Compared to 2013, 2014 chloride concentrations were similar. SH111 had non-detect concentrations throughout the year and SH103 had four detectable results with a peak value of 5.2 mg/L. Again in 2015 chloride remained largely undetected at SH111, one result of 1.1 mg/L was noted in April. Half of the chloride samples at SH103 had undetectable levels of chloride and the remaining samples ranged 1.4 to 3.1 mg/L. Following a similar pattern in 2016, SH111 had no detectable chloride results and SH103 reported five chloride results for the year, which ranged 1.3 to 4.3 mg/L. In 2017 chloride trends for Ophir Creek remained largely unchanged. SH111 was non-detect for the year and half of the chloride samples from SH103 were non-detect and the remaining detectable samples were at or below 11.0 mg/L.

As a result of the new APDES permit becoming effective June 2017 total residual chlorine (TRC) was required to be monitored at both Ophir Creek sites. TRC was non-detect in all samples at both Ophir Creek stations June to December 2017.

Nitrate in 2017 demonstrated a notable increase in the first part of the year and again at the end of the year. All told in 2017, four samples at SH103 exceeded the WQS of 10 mg/L: January 111 mg/L, February 46.2 mg/L, March 111 mg/L and December 10.5 mg/L. Nitrate at the background site was detected at low levels in all samples, the peak value registered 0.63 mg/L in April. In 2016 nitrate at SH103 marked an increase during November and December with two results over the WQS 13.8 mg/L and 34.6 mg/L, the remaining ten samples remained under the WQS of 10 mg/L. In 2015 nitrate levels were down at SH103, all but one result remained below 10.0 mg/L the peak nitrate result was 9.6 mg/L in March. In 2014 four values exceeded the water quality standard of 10 mg/L. SH111 showed little variation from previous years and remained below 0.41 mg/L for 2016.

Throughout 2017 pH at both Ophir Creek stations remained stable with little variation. SH103 ranged 6.81 to 7.86 s.u. and SH111 7.08 to 8.07 s.u. In 2016 pH at both SH103 and SH111 fluctuated very little. SH103 maintained values between 6.86 s.u. and 7.54 s.u. and SH111, 7.03 to 7.63 s.u. In 2015 pH exhibited greater fluctuation than the previous two years. In 2015 SH103 pH ranged from 6.36 – 7.76 s.u. and SH111 pH ranged from 6.54-8.00 s.u. During 2014 pH at both sites trended more similarly to pre-2013 results, where values ranged from 7.04 – 7.95 at SH103 and SH111 ranged from 7.38-7.78 s.u. The pH results were slightly lower in 2013; samples collected at SH103 and SH111 ranged between 6.77 and 7.77s.u.

Ammonia was not detected in any Ophir Creek samples in 2010 - 2013. In 2014 ammonia was detected once at SH103 and was non-detect at SH111 throughout the year. Ammonia in 2015 was non-detect for the year at both SH103 and SH111. Ammonia in 2016 was again not detected at SH103 throughout the year, however it was detected three times at the upstream site, with values peaking at 0.69 mg/L. Slightly less ammonia detection occurred in 2017 on Ophir Creek, SH111 remained undetected for the year and one sample at SH103 had a detectable result of 0.22 mg/L.

Total suspended solids was non-detect at both Ophir Creek sites throughout 2017. TSS has not been detected on Ophir Creek since October of 2010 at SH103.

In 2017 color was found three times at the detection level of 5 cu at SH103 and once at the detection level at SH111. Color in 2016 was detected twice at the downstream site and twice at the

background site, with values not exceeding 15 cu. In 2015 color was detected two times at the background site and detected three times at SH103; the greatest result was 15 cu.

# **6.4.2** Trace Chemistry

Non-detected metals in 2014 for both SH111 and SH103 included arsenic, chromium, lead, nickel, selenium, and silver. The list of non-detect metals is down in 2015 compared to 2013 and 2014. In 2015 non-detect metal were: arsenic, chromium, lead, nickel selenium and silver. Similar to 2015, in 2016 the metals that remained undetected included arsenic, chromium, iron, lead, nickel, selenium and silver. In 2017 the metals which remained undetected were: arsenic, cadmium, chromium, iron, lead, mercury, nickel and silver. Cadmium was found twice at SH103 with a maximum result of 0.038 ug/L, cadmium was not detected at SH111 in 2017. Copper was detected in five samples at SH103, the greatest value of 1.9 ug/L recorded in January; no copper was detected at site SH111 in 2017. One detectable result of manganese occurred in 2017, 4.0 ug/L at SH103 in April, otherwise all remaining samples were non-detect. Low concentrations of zinc occurred periodically at SH103 with a peak value of 5.7 ug/L recorded in February. Zinc was found twice at SH111 in 2017 with a peak value of 3.2 ug/L in December.

Metals in 2016 are as follows: copper was detected twice at SH111, and was present in low concentrations in three of the twelve samples from SH103. Similar to previous years, manganese in 2016 was not detected at the background site, it was present in one of the samples from SH103 (3.3 ug/L). In 2016 cadmium was detected once at SH103 in December (0.022 ug/L). Mercury was detected five times at SH103 with a peak value of 0.0026 ug/L in April and also found five times at SH111 with a peak value of 0.0018 ug/L in January. Copper was found three times at low concentrations at SH103 and once at SH111 in 2016.

As expected in 2017 low levels of aluminum were found in all samples for Ophir Creek. SH103 demonstrated small variations in aluminum concentration with a maximum value of 10.8 ug/L in September. SH111 maintained aluminum concentrations under 7.0 ug/L throughout 2017. Levels of aluminum were measured in all samples collected at both Ophir Creek sites during 2016 with little difference between the sites. Of the two sites, SH103 had slightly higher aluminum results

with values ranging between 3.6 to 20.5 ug/L. This down from 2015 when peak aluminum results at SH103 reached 44.5 ug/L.

# 7.0 Discharges

# 7.1 Outfall 001

The Comet water treatment plant (WTP) discharge (Outfall 001) was sampled daily, resulting in at least four times the data compared to most receiving water stations. Effective June 2017 the majority of the sampling at the Comet water treatment plant shifted to a weekly frequency as a result of the renewal of the APDES permit. This larger group of sample results is a greater opportunity to identify trends (Figures 18a – 18c). Discharge Monitoring Reports containing results of required monitoring were submitted each month during 2017. Outfall 001 experienced one permit exceedance in 2017 resulting from pH out of the range of 6.5 – 8.5 su.

# 7.1.1 Major Chemistry

Dissolved oxygen (DO) in the effluent tended to be higher in winter and lower during the summer season. DO is typically negatively correlated with temperature. Temperature dropped to a low of 2.8 °C in April of 2017 and a high of 12.6 °C in August. Grab samples for turbidity are collected from the effluent and background station SH109 weekly in conjunction with the effluent composite samples. The difference between background turbidity and effluent turbidity remained low for the year, the maximum difference was 2.17 NTU, below the water quality standard of 5.0 NTU. The peak effluent turbidity reached 2.33 NTU in 2017, whereas in 2016 the peak turbidity was 2.65 NTUs, 2015 it was 1.55 NTUs, and 2014 had a peak value of 25.4 NTU.

pH in 2017 experienced more fluctuation than the previous year. In November of 2017 pH drifted out of the compliance threshold of  $6.5-8.5\,\mathrm{s.u.}$  for 11.8 hours, resulting in an exceedance. However, regardless of the exceedance, pH was in compliance for more than 99% of the time in 2017. In 2016 and 2015 little pH fluctuation occurred which resulted in no pH exceedances.

TDS in 2017 tracked similarly with the 2016 dataset, it ranged 190 – 475 mg/L. In 2016, TDS ranged 209-498 mg/L for the year. Down from 2015 when TDS had a range of 265-818 mg/L. 2014's peak TDS value was 622 mg/L. In the first half of 2017 sulfate followed the 2016 trend. In

the latter half of 2017 a decrease was noted in sulfate concentrations. The majority of sulfate results June to December 2017 remained below 50 mg/L. In 2016, values ranged 54.9 to 225 mg/L, which did result in one exceedance. In 2015 three elevated sulfate values resulted in permit exceedances. Whereas in 2014, four sulfate values over the WQS (200 mg/L) were reported. Downstream hardness ranged 32.2 to 183 mg/L in 2017, similar to the previous year. Note, effective June 2017, downstream hardness is no longer required under the renewed APDES permit.

Daily samples were collected for TSS analysis in the first half of the year, after which they were collected weekly in conjunction with the permit mandated general chemistry and metals monitoring. In 2017 all but one sample was non-detect, which was 5.2 mg/L. In 2016 all but five samples were non-detect. The maximum TSS result in 2016 was 13.2 mg/L. This was similar to the previous four years where three detectable results occurred in 2012 and 2013 and in 2014 five detectable results were noted and 2015 when one detectable result was found. In 2011 there were eighteen detectable results some of which exceeded the WQS. In 2010 there were nineteen TSS samples above the detection limit but all below the WQS.

Ammonia in the first six months of 2017 followed historically patterns. The latter half of 2017 marked slightly higher ammonia concentrations which can be attributed to the relaxed ammonia permit limit associated with the APDES permit renewal. The maximum 2017 ammonia result was 3.43 mg/L in August. All 2017 ammonia results were within permit limits. Ammonia in 2016 trended similarly compared to 2014 and 2015 data.

Nitrate is positively correlated with ammonia. No marked differences in 2017 nitrate concentrations were noted. Nitrate ranged between 3.1-10.7 mg/L for the year. All nitrate results in 2017 remained below the water quality standard. Note, effective June 2017 the permit limit for nitrate at Outfall 001 was removed per the APDES permit.

#### 7.1.2 Trace Chemistry

Arsenic, copper, and lead were undetected in effluent samples during 2017. In increase over 2016 when arsenic and lead were the only undetected metals. In 2017, nickel and zinc were detected only once. In 2017 aluminum followed historical trends with a maximum value of 38.2 ug/L in June, all results remained under the permit limit. 2016 saw one mild aluminum spike of 88.8 ug/L but

remained under the water quality standard. In 2015 aluminum ranged from 2.5 to 14.9 ug/L. In 2014 aluminum ranged from 2.5 to 62.4 ug/L and in 2013 the range was 1.6 -30.8 ug/L.

Throughout 2017 iron returned stable values with little variation when compared to the previous year. All iron results in 2017 remained below 0.50 mg/L. Iron concentrations in 2016 demonstrated some variation from the previous two years; some slightly higher concentrations were noted. The peak 2016 iron result was 1.63 mg/L in August, this was below the water quality standard of 1.85 mg/L.

Mercury detection in 2017 demonstrated a marked changed, it was found in less than 10 percent of the samples, whereas in 2016 mercury was detected in about 80 percent of the effluent samples. All mercury results in 2017 remained at or below 0.0013 ug/L. As previously mentioned, zinc concentrations varied little throughout the year with only one detectable result of 6.1 ug/L – similar to 2013 through 2016. Nickel was detected once in 2017 with a maximum value of 3.8 ug/L. In 2017, nickel's pattern reflected the four previous years. Selenium demonstrated little variation in 2017 and followed a trend similar to the previous two year's dataset. Effective June 2017 selenium monitoring was no longer required per the renewed APDES Permit.

2017 manganese data compared to the 2015 and 2016 dataset showed little change; in 2017 manganese ranged 5.4 to 46.4 ug/L. In 2016 manganese ranged from 11.0 to 63.1 ug/L In 2015 manganese ranged from 5.9 ug/L to 65.7 ug/L. 2014 manganese ranged from a high of 96.3 ug/L to a low of 2.5 ug/L. The average manganese result was 190 ug/L in 2010, dropped to 157 ug/L for 2011 and dropped slightly again in 2012 with an average of 155 ug/L, dropping again in 2013 the average manganese result was 71.5 ug/L. 2014 demonstrated a considerable decline in manganese with an average for the year of 30.6 ug/L. Again in 2015, the manganese average dropped to 25.3 ug/L. 2016 manganese average was 22.1 ug/L. Marking a slight decline in 2017 manganese averaged 20.4 ug/L. Overall, manganese concentrations for the effluent in 2017 were lower than preoperation concentrations found in 2006.

# 7.1.3 Whole Effluent Toxicity Testing

Whole Effluent Toxicity (WET) Tests were conducted monthly on the 24-hour composite samples collected from Outfall 001 effluent. The following three tests were rotated throughout the year such that each test was conducted once a quarter:

- Pimephales promelas (fathead minnow)- static, renewal, larval survival and growth test.
- Ceriodaphnia dubia (water flea)- 7-day static, renewal, survival and reproduction test.
- *Selanastrum capricornutum* (green algae)- 4-day static, growth.

Please note, per the renewed APDES Permit, effective June 2017 *Pimephales promelas* (fathead minnow) is the sole organism used in the monthly WET tests; the other two organisms are no longer in the test rotation. All monthly WET tests conducted on Outfall 001 effluent in 2017 were within permit limits.

#### **7.2** Outfall 002

Outfall 002 discharge is from the tailing treatment facility (TTF), which began in early December 2010 after a new water treatment plant was commissioned. 2017 was the seventh full year of operation for the TTF water treatment plant. One water quality exceedance for sulfate occurred at Outfall 002 in July 2017. Discharge Monitoring Reports containing results of required monitoring were submitted each month during 2017. Graphical representations of Outfall 002 data can be found in Figures 19a – 19c.

#### 7.2.1 Major Chemistry

pH fluctuated some throughout 2017 at Outfall 002. Results ranged from 6.7 s.u. to 8.4 s.u, which were within the compliance range for the year. This closely matched pH results from the previous year. Flow rate fluctuated some throughout 2017 ranging from 1078 gpm to 1315 gpm while staying under the permit limit of 1500 gpm. Temperature, as expected, trended seasonally through the year. Temperature varied from 2.0°C in January to 19.2 °C in August. Background

samples for turbidity were collected weekly at MLA in conjunction with the effluent grab samples. The difference between background turbidity and effluent turbidity remained low through the year with a maximum difference of 1.17 NTU. Effluent turbidity remained below 1.7 NTU for 2017, up slightly from 2016's maximum of 1.0 NTU but down from 2015 when turbidity peaked at 4.25 NTU. Turbidity in 2014 remained below 2.5 NTU.

As mentioned previously one sulfate exceedance occurred in 2017 with a result of 262 mg/L, otherwise all sulfate results remained under the WQS of 250 mg/L. In 2016 sulfate maintained levels between 158 mg/L and 245 mg/L. In 2015 sulfate ranged between 192 – 243 mg/L, up slightly from the previous year. Sulfate in 2014 fluctuated between 176 and 245 mg/L. In 2013 sulfate ranged between 93.3 and 245 mg/L, below the WQS of 250 mg/L. Previously in 2012 sulfate ranged between 179.0 and 250.0 mg/L. In 2011 sulfate exceeded the permit limit on six occasions.

TDS levels in 2017 maintained results between 273 mg/L and 471 mg/L, demonstrating slightly more variation that previous years but remaining under the WQS of 500 mg/L.TDS in 2016 demonstrated little change compared to 2015 with the exception that no permit exceedances occurred. TDS in 2015 followed historical patterns with a low of 393 mg/L and high of 501 mg/L, the 501 mg/L value resulted in one permit exceedance. In 2014 TDS trended between a low of 341 mg/L in November and a high of 480 mg/L in July. During 2013 TDS exceeded the WQS on two occasions with respective values of 607 mg/L and 621 mg/L, the remainder of the TDS results were below 460 mg/L. In 2012 total TDS ranged from 279 mg/L to 482mg/L, whereas in 2011 one permit exceedance occurred.

Hardness in 2017 tracked with the historical dataset; it ranged 180 mg/L to 275 mg/L. 2016 hardness data followed historical trends with little change noted. The 2016 hardness range was 204 mg/L to 278 mg/L. In 2015 effluent hardness trends were comparable to the previous year with the exception of one low value of 138 mg/L in November. 2014 effluent hardness was comparable to previous years with slight variations; values ranged between 196 to 280 mg/L. Hardness in 2013 demonstrated increased variability when compared to 2012, variability occurred mainly during late summer and fall, during which time values ranged from 278 mg/L to 129 mg/L. In 2012 hardness ranged from 210 mg/L to 278 mg/L, slightly less compared to 2011 when effluent hardness ranged from 181 mg/L to 319 mg/L.

Downstream hardness (site SMP-5) fluctuated considerably in 2017, much like the 2015 and 2016 downstream hardness data. 2017 data fluctuated between 36.5 mg/L and 262 mg/L. The wide range of values can be attributed to varying flow rates at the sample site. Effective June 2017 the hardness downstream monitoring requirement was removed from the APDES permit.

In 2017 99.4% of the TSS samples were non-detect. In 2016 99.7% of TSS were non-detect. Again in 2015, 99.7% of the daily total TSS samples had non-detect concentrations. This is a slight increase from 2014 where 98% of the TSS results were non-detect. The peak 2017 TSS value was 5.6 mg/L, the peak 2016 TSS value was 21.2, peak 2015 value for TSS was 4.0 mg/L, and 2014 peak value was 8.8 mg/L. In 2013 the majority of samples were also non-detect and all detectable results were below 12.0 mg/L.

Similar to 2016, ammonia concentrations in 2017 had less variability, values remained between 1.26 mg/L and 1.88 mg/L. In 2016 ammonia fluctuated between 1.38 and 1.81mg/L. In 2015 values dipped as low as 0.64 mg/L to a high of 1.74 mg/L. Ammonia remained below daily maximum permit limitations in 2017. Previously in 2013, ammonia stayed above 1.0 mg/L through August after which it trended downward to less than 1.0 mg/L for the remainder of the year. In 2012 ammonia was lower and hovered between 0.5 mg/L and 1.4 mg/L. Effective June 2017 the ammonia limit for Outfall 001 was removed from the APDES Permit. Overall nitrate has shown a steady increase from late 2010 (discharge initiated) through 2017. Nitrate values in 2017 ranged from 3.31 to 8.48 mg/L. Nitrate is a monitor only parameter in the ADPES permit and therefore carries no permit limit.

# 7.2.2 Trace Chemistry

Arsenic, chromium, copper, lead, selenium and silver were undetected in effluent samples at Outfall 002 during 2017. Similar to 2012 through 2016, aluminum was present in all samples during 2017. Aluminum concentrations were found from 3.6 ug/L to 17.1 ug/L. In 2016 aluminum similarly ranged between 3.2 ug/L to 17.6. In 2015 aluminum results ranged from 4.4 to 21.4 ug/L, down from 2014 where results ranged 9.4 ug/L to 42.4 ug/L. In 2013 aluminum values were as high as 375.0 ug/L. Aluminum in 2017 showed little variation and largely reflected 2014 through 2016 results.

Iron concentrations in 2017 demonstrated little variation with the exception of four results greater than 0.4 mg/L Up from 2016 the peak, the 2017 peak iron result was 0.64 mg/L The peak 2016 iron result was 0.239 mg/l in March, a decrease over 2015 where iron rose to a high of 1.12 mg/L. In 2014 the greatest iron result was 0.798 mg/L. During the first four months in 2013 iron remained around 0.65 mg/L before dropping below 0.50 mg/L for the remainder of the year, with the exception of one result in December. Overall iron in 2017 matched the 2016 trend and was lower than the 2010 to 2015 dataset.

Demonstrating fewer detections, nickel in 2017 was detected less than 9% of the time. Nickel in both 2016 and 2015 was detected in about 15% of the effluent samples. Down from 2014 where nickel was present in about half the effluent samples. In 2016 nickel fluctuated very little results peaked at 2.5 ug/L. Overall, 2014 through 2017 nickel presence and concentrations have decreased. The peak 2017 nickel result was 3.1 ug/L.

Zinc was detected once in 2017, 4.7 ug/L in July. Zinc concentrations were detected twice in 2016 with a maximum result of 5.7 ug/L in February. In 2015 zinc was found once at the detection level of 2.5 ug/L otherwise it remained non-detect throughout out the year. In 2014 zinc was found in 15% of the 002 effluent samples, the highest concentration was 6.0 ug/L. Zinc was detected in about 66% of the effluent samples in 2013. The peak 2013 zinc value was 22.7 ug/L. Zinc in 2012 and 2011 was found in 26% of the samples at low concentrations. Since discharging commenced the occurrence and concentrations of zinc of has dropped.

Copper was periodically detectable throughout 2012, none of the sample results were greater than 1.9 ug/L, this demonstrated a slight increase over 2011. Copper in 2013 appeared to trend with zinc with higher values January through September; zinc registered a peak value of 3.2 ug/L in July which was below the WQS of 4.5 ug/L. Copper in 2014 was found in four samples at concentrations slightly over the detection level. The maximum value was 1.2 ug/L. With a decreased presence in 2015, copper was detected once, 0.90 ug/L in late October. Following a similar but decreasing trend, copper was not detected in 2016 and 2017.

Again in 2017 the occurrence of mercury decreased with detections found in less than 9% of the samples. The occurrence of mercury in 2016 was found in less than 14% of the samples. In 2015 mercury was found in less than 10% of the samples. In 2014 mercury was found in about than 20% of the samples. The maximum mercury result in 2017 was 0.0013 ug/L, which marked

the lowest peak since monitoring commenced. In 2016 the highest concentration of mercury was 0.0022 ug/L in May. In 2015 the greatest mercury result was 0.0046 ug/L. The peak result in 2014 was 0.0015 ug/L. In 2013 mercury was detected in 23 of the 55 samples. The greatest 2013 mercury result was 0.0032 ug/L. Mercury was detectable for most of 2012 with a peak value of 0.0047 ug/L in December.

# 7.2.3 Whole Effluent Toxicity Testing

Whole Effluent Toxicity (WET) tests were conducted monthly on the 24-hour composite samples collected from Outfall 002 effluent. The following three tests were rotated throughout the year such that each test was conducted once a quarter:

- Pimephales promelas (fathead minnow)- static, renewal, larval survival and growth test.
- Ceriodaphnia dubia (water flea)- 7-day static, renewal, survival and reproduction test.
- Selanastrum capricornutum (green algae)- 4-day static, growth.

Please note, per the renewed APDES Permit, effective June 2017 Pimephales promelas (fathead minnow) is the sole organism used in the monthly WET tests; the other two organisms are no longer in the test rotation. All monthly WET tests conducted on Outfall 002 effluent in 2017 were within permit limits.

# Tables 1-23

Table 1: 2017 Johnson Creek Non-detect Parameters

| JS2                        |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Ammonia                    | < 0.10     | mg/L         |
| Chloride                   | <1.0       | mg/L         |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Total Suspended Solids     | <4.0       | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Total Recoverable Cadmium  | < 0.020    | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Copper           | < 0.1      | ug/L         |
| Total Recoverable Copper   | < 0.1      | ug/L         |
| Dissolved Iron             | < 0.05     | mg/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Mercury Dissolved          | < 0.001    | ug/L         |
| Mercury Total              | < 0.001    | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.1      | ug/L         |
| Dissolved Zinc             | <2.5       | ug/L         |
| Total Recoverable Zinc     | <2.5       | ug/L         |

| JS4                        |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Ammonia                    | < 0.10     | mg/L         |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Total Recoverable Cadmium  | < 0.020    | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Selenium         | <1.0       | ug/L         |
| Dissolved Silver           | < 0.1      | ug/L         |
| Total Recoverable Zinc     | <2.5       | ug/L         |

Table 1 Continued: 2017 Johnson Creek Non-detect Parameters

| JS5                        |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Ammonia                    | < 0.10     | mg/L         |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Total Recoverable Cadmium  | < 0.020    | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Mercury Dissolved          | < 0.001    | ug/L         |
| Mercury Total              | < 0.001    | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.1      | ug/L         |
| Total Recoverable Zinc     | <2.5       | ug/L         |

**Table 2: 2017 Sherman Creek Non-detect Parameters** 

| SH105                    |         |              |
|--------------------------|---------|--------------|
| <u>Parameter</u>         | PQL     | <u>Units</u> |
| Total Residual Chlorine  | < 0.050 | mg/L         |
| Total Suspended Solids   | <4.0    | mg/L         |
| Dissolved Cadmium        | < 0.1   | ug/L         |
| Dissolved Chromium       | <2.5    | ug/L         |
| Total Recoverable Lead   | < 0.16  | ug/L         |
| Dissolved Nickel         | <1.0    | ug/L         |
| Total Recoverable Nickel | <1.0    | ug/L         |
| Dissolved Silver         | < 0.9   | ug/L         |
| Total Recoverable Zinc   | <2.5    | ug/L         |

| SH109                      |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Ammonia                    | < 0.10     | mg/L         |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Mercury Dissolved          | < 0.001    | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Selenium         | <1.0       | ug/L         |
| Dissolved Silver           | < 0.10     | ug/L         |
| Total Recoverable Zinc     | <2.5       | ug/L         |

| SH113                    |            |              |
|--------------------------|------------|--------------|
| <u>Parameter</u>         | <u>PQL</u> | <u>Units</u> |
| Total Residual Chlorine  | < 0.050    | mg/L         |
| Total Suspended Solids   | <4.0       | mg/L         |
| Dissolved Arsenic        | <2.5       | ug/L         |
| Dissolved Chromium       | <2.5       | ug/L         |
| Total Recoverable Lead   | < 0.16     | ug/L         |
| Dissolved Nickel         | <1.0       | ug/L         |
| Total Recoverable Nickel | <1.0       | ug/L         |
| Dissolved Silver         | <2.4       | ug/L         |
| Total Recovable Zinc     | <2.5       | ug/L         |

**Table 3: 2017 Ophir Creek Non-detect Parameters** 

| SH103                      |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Total Suspended Solids     | <4.0       | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Total Recoverable Iron     | < 0.05     | mg/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Mercury Total              | < 0.001    | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.10     | ug/L         |

| SH111                       |            |              |
|-----------------------------|------------|--------------|
| <u>Parameter</u>            | <u>PQL</u> | <u>Units</u> |
| Ammonia                     | < 0.10     | mg/L         |
| Chloride                    | <1.0       | mg/L         |
| Total Residual Chlorine     | < 0.050    | mg/L         |
| Total Suspended Solids      | <4.0       | mg/L         |
| Dissolved Arsenic           | <2.5       | ug/L         |
| Dissolved Cadmium           | < 0.1      | ug/L         |
| Total Recoverable Cadmium   | < 0.1      | ug/L         |
| Dissolved Chromium          | <2.5       | ug/L         |
| Dissolved Copper            | < 0.1      | ug/L         |
| Total Recoverable Copper    | < 0.1      | ug/L         |
| Total Recoverable Iron      | < 0.05     | mg/L         |
| Total Recoverable Lead      | < 0.16     | ug/L         |
| Dissolved Lead              | < 0.16     | ug/L         |
| Total Recoverable Manganese | <1.0       | ug/L         |
| Mercury Dissolved           | < 0.0010   | ug/L         |
| Mercury Total               | < 0.0010   | ug/L         |
| Dissolved Nickel            | <1.0       | ug/L         |
| Total Recoverable Nickel    | <1.0       | ug/L         |
| Dissolved Selenium          | <1.0       | ug/L         |
| Total Recoverable Selenium  | <1.0       | ug/L         |
| Dissolved Silver            | < 0.1      | ug/L         |
| Total Recoverable Zinc      | < 0.1      | ug/L         |

**Table 4: 2017 Slate Creek Non-detect Parameters** 

| MLA                        |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Nitrate as N               | < 0.050    | mg/L         |
| Ammonia                    | < 0.10     | mg/L         |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Total Suspended Solids     | <4.0       | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Total Recoverable Cadmium  | < 0.020    | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Copper           | < 0.1      | ug/L         |
| Total Recoverable Copper   | < 0.1      | ug/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.1      | ug/L         |
| Dissolved Zinc             | <2.5       | ug/L         |

| SMP-5                      |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Total Suspended Solids     | <4.0       | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Dissolved Copper           | < 0.1      | ug/L         |
| Total Recoverable Copper   | < 0.1      | ug/L         |
| Dissolved Lead             | < 0.16     | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.0      | ug/L         |
| Total Recoverable Zinc     | < 0.1      | ug/L         |

**Table 4 Continued: 2017 Slate Creek Non-detect Parameters** 

| SLB                      |            |              |
|--------------------------|------------|--------------|
| <u>Parameter</u>         | <u>PQL</u> | <u>Units</u> |
| Total Residual Chlorine  | < 0.050    | mg/L         |
| Total Suspended Solids   | <4.0       | mg/L         |
| Dissolved Arsenic        | <2.5       | ug/L         |
| Dissolved Chromium       | <2.5       | ug/L         |
| Dissolved Copper         | <1.0       | ug/L         |
| Total Recoverable Copper | <1.0       | ug/L         |
| Dissolved Lead           | < 0.16     | ug/L         |
| Dissolved Nickel         | <1.0       | ug/L         |
| Total Recoverable Nickel | <1.0       | ug/L         |
| Dissolved Silver         | < 0.1      | ug/L         |
| Total Recoverable Zinc   | < 0.1      | ug/L         |

| SLC                        |            |              |
|----------------------------|------------|--------------|
| <u>Parameter</u>           | <u>PQL</u> | <u>Units</u> |
| Total Residual Chlorine    | < 0.050    | mg/L         |
| Total Suspended Solids     | <4.0       | mg/L         |
| Dissolved Arsenic          | <2.5       | ug/L         |
| Dissolved Cadmium          | < 0.1      | ug/L         |
| Dissolved Chromium         | <2.5       | ug/L         |
| Total Recoverable Lead     | < 0.16     | ug/L         |
| Dissolved Nickel           | <1.0       | ug/L         |
| Total Recoverable Nickel   | <1.0       | ug/L         |
| Total Recoverable Selenium | <1.0       | ug/L         |
| Dissolved Silver           | < 0.1      | ug/L         |
| Total Recoverable Zinc     | < 0.1      | ug/L         |

**Table 5: 2017 Outfall 001 Non-detect Parameters** 

|                           | Outfall 001 |              |
|---------------------------|-------------|--------------|
| <u>Parameter</u>          | <u>PQL</u>  | <u>Units</u> |
| Total Recoverable Arsenic | <2.5        | ug/L         |
| Total Recoverable Silver  | < 0.10      | ug/L         |
| Total Recoverable Copper  | <1.0        | ug/L         |
| Total Recoverable Lead    | < 0.16      | ug/L         |

**Table 6: 2017 Outfall 002 Non-detect Parameters** 

|                            | Outfall 002 |              |
|----------------------------|-------------|--------------|
| <u>Parameter</u>           | <u>PQL</u>  | <u>Units</u> |
| Total Recoverable Arsenic  | <2.5        | ug/L         |
| Total Chromium             | <2.5        | ug/L         |
| Total Recoverable Copper   | <1.0        | ug/L         |
| Total Recoverable Lead     | < 0.16      | ug/L         |
| Total Recoverable Selenium | <1.0        | ug/L         |
| Total Recoverable Silver   | <2.5        | ug/L         |

| Parameter                        | Units      | Min                            | Max               | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|----------------------------------|------------|--------------------------------|-------------------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                             | oC         | 3.1                            | 7.2               | 4.1    | 12                | 0.0%                | 0                     | 4.9    | 1.50               |
| Dissolved Oxygen                 | mg/L       | 11.6                           | 13.42             | 1.82   | 12                | 0.0%                | 0                     | 12.38  | 0.61               |
| pH                               | pН         | 6.53                           | 8.1               | 1.57   | 12                | 0.0%                | 0                     | 7.26   | 0.41               |
| Conductivity                     | umhos/cm   | 19.5                           | 26.5              | 7      | 12                | 0.0%                | 0                     | 21.8   | 2.40               |
| Lab Turbidity                    | NTU        | 0.13                           | 0.55              | 0.42   | 12                | 0.0%                | 0                     | 0.28   | 0.12               |
| Nitrate as N                     | mg/L       | 0.08                           | 0.8               | 0.72   | 12                | 0.0%                | 0                     | 0.271  | 0.21               |
| Ammonia as N                     | mg/L       | 0.1                            | 0.1               | 0      | 12                | 100.0%              | 12                    | 0.1    | 0.00               |
| Sulfate                          | mg/L       | 1.05                           | 11                | 9.95   | 12                | 0.0%                | 0                     | 2.26   | 2.77               |
| Chloride                         | mg/L       | 1                              | 2.6               | 1.6    | 12                | 91.7%               | 11                    | 1.1    | 0.50               |
| Total Residual Chlorine          | mg/L       | 0.05                           | 0.05              | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.00               |
| Total Dissolved Solids           | mg/L       | 11                             | 72                | 61     | 12                | 0.0%                | 0                     | 26     | 15.70              |
| Total Suspended Solids           | mg/L       | 4                              | 4                 | 0      | 12                | 100.0%              | 12                    | 4      | 0.00               |
| Hardness, Total                  | mg/L       | 13.5                           | 50.9              | 37.4   | 12                | 0.0%                | 0                     | 18.3   | 10.40              |
|                                  |            |                                |                   |        |                   |                     |                       |        |                    |
| otal Recoverable Aluminum        | ug/L       | 2.3                            | 22.2              | 19.9   | 12                | 0.0%                | 0                     | 8      | 6.10               |
| Dissolved Arsenic                | ug/L       | 2.5                            | 2.5               | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.00               |
| Dissolved Cadmium                | ug/L       | 0.02                           | 0.1               | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.04               |
| otal Recoverable Cadmium         | ug/L       | 0.02                           | 0.1               | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.04               |
| Dissolved Chromium               | ug/L       | 2.5                            | 2.5               | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.00               |
| Dissolved Copper                 | ug/L       | 1                              | 1                 | 0      | 12                | 100.0%              | 12                    | 1      | 0.00               |
| Total Recoverable Copper         | ug/L       | 1                              | 1                 | 0      | 12                | 100.0%              | 12                    | 1      | 0.00               |
| Total Recoverable Iron           | mg/L       | 0.05                           | 0.051             | 0.001  | 12                | 91.7%               | 11                    | 0.05   | 0.00               |
| Dissolved Lead                   | ug/L       | 0.16                           | 0.16              | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.00               |
| Total Recoverable Lead           | ug/L       | 0.16                           | 0.16              | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.00               |
| otal Recoverable Manganese       | ug/L       | 1                              | 2.4               | 1.4    | 12                | 33.3%               | 4                     | 1.4    | 0.40               |
| Mercury Dissolved                | ug/L       | 0.001                          | 0.0014            | 0.0004 | 7                 | 85.7%               | 6                     | 0.0011 | 0.00               |
| Mercury Total                    | ug/L       | 0.001                          | 0.001             | 0      | 6                 | 100.0%              | 6                     | 0.001  | 0.00               |
| Dissolved Nickel                 | ug/L       | 1                              | 1                 | 0      | 12                | 100.0%              | 12                    | 1      | 0.00               |
| Total Recoverable Nickel         | ug/L       | 1                              | 1                 | 0      | 12                | 100.0%              | 12                    | 1      | 0.00               |
| otal Recoverable Selenium        | ug/L       | 1                              | 1                 | 0      | 12                | 100.0%              | 12                    | 1      | 0.00               |
| Dissolved Silver                 | ug/L       | 0.1                            | 0.1               | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.00               |
| Dissolved Zinc                   | ug/L       | 2.5                            | 3.2               | 0.7    | 12                | 91.7%               | 11                    | 2.6    | 0.20               |
| Total Recoverable Zinc           | ug/L       | 2.5                            | 2.5               | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.00               |
| Color                            | Color Unit | 5                              | 5                 | 0      | 12                | 91.7%               | 11                    | 5      | 0.00               |
| on detects are assigned the dete |            | mean, standard deviation and i | ange calculations | 1      |                   | 1                   |                       |        |                    |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 0     | 8      | 8      | 12                | 0.0%                | 0                     | 4.2    | 3.0                |
| Dissolved Oxygen            | mg/L       | 11.62 | 14.34  | 2.72   | 12                | 0.0%                | 0                     | 13.26  | 0.9                |
| pН                          | pH         | 6.72  | 8.11   | 1.39   | 12                | 0.0%                | 0                     | 7.46   | 0.4                |
| Conductivity                | umhos/cm   | 36.6  | 82.2   | 45.6   | 12                | 0.0%                | 0                     | 54.9   | 15.0               |
| Lab Turbidity               | NTU        | 0.17  | 1.66   | 1.49   | 12                | 0.0%                | 0                     | 0.63   | 0.5                |
| Nitrate as N                | mg/L       | 0.194 | 1.31   | 1.116  | 12                | 0.0%                | 0                     | 0.557  | 0.3                |
| Ammonia as N                | mg/L       | 0.1   | 0.1    | 0      | 12                | 100.0%              | 12                    | 0.1    | 0.0                |
| Sulfate                     | mg/L       | 4.58  | 17.4   | 12.82  | 12                | 0.0%                | 0                     | 9.91   | 4.4                |
| Chloride                    | mg/L       | 1     | 2.1    | 1.1    | 12                | 75.0%               | 9                     | 1.2    | 0.3                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 33    | 89     | 56     | 12                | 0.0%                | 0                     | 59.2   | 20.0               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 91.7%               | 11                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 25.6  | 63.3   | 37.7   | 12                | 0.0%                | 0                     | 43.8   | 14.0               |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 7.2   | 98.7   | 91.5   | 12                | 0.0%                | 0                     | 28.4   | 28.3               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1.2    | 0.2    | 12                | 83.3%               | 10                    | 1      | 0.1                |
| Total Recoverable Copper    | ug/L       | 1     | 1.8    | 0.8    | 12                | 75.0%               | 9                     | 1.1    | 0.3                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.269  | 0.219  | 12                | 75.0%               | 9                     | 0.077  | 0.1                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 1.7   | 17     | 15.3   | 12                | 0.0%                | 0                     | 5.5    | 5.1                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0015 | 0.0005 | 7                 | 71.4%               | 5                     | 0.0011 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0015 | 0.0005 | 6                 | 66.7%               | 4                     | 0.0012 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 4.3    | 1.8    | 12                | 66.7%               | 8                     | 2.8    | 0.5                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 20     | 15     | 12                | 50.0%               | 6                     | 7.1    | 5.0                |

| Parameter                   | Units      | Min   | Max   | Range | Number of Samples | Percent Non-detects | Number of Non-detects | Mean  | Standard Deviation |
|-----------------------------|------------|-------|-------|-------|-------------------|---------------------|-----------------------|-------|--------------------|
| Temp                        | oC         | 0.7   | 7.4   | 6.7   | 12                | 0.0%                | 0                     | 4.4   | 2.3                |
| Dissolved Oxygen            | mg/L       | 11.7  | 13.76 | 2.06  | 12                | 0.0%                | 0                     | 12.72 | 0.7                |
| pН                          | pH         | 6.51  | 8     | 1.49  | 12                | 0.0%                | 0                     | 7.43  | 0.4                |
| Conductivity                | umhos/cm   | 27    | 71.3  | 44.3  | 12                | 0.0%                | 0                     | 45.1  | 14.8               |
| Lab Turbidity               | NTU        | 0.11  | 2.48  | 2.37  | 12                | 0.0%                | 0                     | 0.72  | 0.8                |
| Nitrate as N                | mg/L       | 0.192 | 1.85  | 1.658 | 12                | 0.0%                | 0                     | 0.63  | 0.5                |
| Ammonia as N                | mg/L       | 0.1   | 0.1   | 0     | 12                | 100.0%              | 12                    | 0.1   | 0.0                |
| Sulfate                     | mg/L       | 2.17  | 14.1  | 11.93 | 12                | 0.0%                | 0                     | 6.6   | 3.5                |
| Chloride                    | mg/L       | 1     | 1.8   | 0.8   | 12                | 83.3%               | 10                    | 1.1   | 0.2                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05  | 0     | 7                 | 100.0%              | 7                     | 0.05  | 0.0                |
| Total Dissolved Solids      | mg/L       | 23    | 72    | 49    | 12                | 0.0%                | 0                     | 45.9  | 16.8               |
| Total Suspended Solids      | mg/L       | 4     | 4     | 0     | 12                | 91.7%               | 11                    | 4     | 0.0                |
| Hardness, Total             | mg/L       | 17.9  | 49.7  | 31.8  | 12                | 0.0%                | 0                     | 31.1  | 11.3               |
|                             |            |       |       |       |                   |                     |                       |       |                    |
| Total Recoverable Aluminum  | ug/L       | 3.7   | 61    | 57.3  | 12                | 0.0%                | 0                     | 20.5  | 17.8               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5   | 0     | 5                 | 100.0%              | 5                     | 2.5   | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1   | 0.08  | 12                | 100.0%              | 12                    | 0.053 | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1   | 0.08  | 12                | 100.0%              | 12                    | 0.053 | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5   | 0     | 5                 | 100.0%              | 5                     | 2.5   | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1.1   | 0.1   | 12                | 91.7%               | 11                    | 1     | 0.0                |
| Total Recoverable Copper    | ug/L       | 1     | 1.4   | 0.4   | 12                | 75.0%               | 9                     | 1.1   | 0.2                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.152 | 0.102 | 12                | 66.7%               | 8                     | 0.061 | 0.0                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16  | 0     | 12                | 100.0%              | 12                    | 0.16  | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.17  | 0.01  | 12                | 91.7%               | 11                    | 0.16  | 0.0                |
| Total Recoverable Manganese | ug/L       | 1     | 8     | 7     | 12                | 8.3%                | 1                     | 3.1   | 2.1                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.001 | 0     | 7                 | 100.0%              | 7                     | 0.001 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.001 | 0     | 6                 | 100.0%              | 6                     | 0.001 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1     | 0     | 12                | 100.0%              | 12                    | 1     | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1     | 0     | 12                | 100.0%              | 12                    | 1     | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1     | 0     | 12                | 100.0%              | 12                    | 1     | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1   | 0     | 5                 | 100.0%              | 5                     | 0.1   | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3.1   | 0.6   | 12                | 83.3%               | 10                    | 2.6   | 0.2                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5   | 0     | 12                | 100.0%              | 12                    | 2.5   | 0.0                |
| Color                       | Color Unit | 5     | 20    | 15    | 12                | 66.7%               | 8                     | 6.7   | 4.4                |

| Table 10: Station SH103     | 2017 Water Quality Da | ta Summary Statistics           |        |         |                   |                     |                       |        |                    |
|-----------------------------|-----------------------|---------------------------------|--------|---------|-------------------|---------------------|-----------------------|--------|--------------------|
| Parameter                   | Units                 | Min                             | Max    | Range   | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
| Temp                        | oC                    | 0.4                             | 8.7    | 8.3     | 12                | 0.0%                | 0                     | 4.8    | 2.8                |
| Dissolved Oxygen            | mg/L                  | 10.58                           | 13.33  | 2.75    | 12                | 0.0%                | 0                     | 11.95  | 0.9                |
| pH                          | pH                    | 6.81                            | 7.86   | 1.05    | 12                | 0.0%                | 0                     | 7.29   | 0.3                |
| Conductivity                | umhos/cm              | 32.4                            | 1203   | 1170.6  | 12                | 0.0%                | 0                     | 309.3  | 393.6              |
| Lab Turbidity               | NTU                   | 0.1                             | 0.34   | 0.24    | 12                | 0.0%                | 0                     | 0.19   | 0.1                |
| Nitrate as N                | mg/L                  | 0.499                           | 111    | 110.501 | 12                | 0.0%                | 0                     | 24.962 | 42.1               |
| Ammonia as N                | mg/L                  | 0.05                            | 0.22   | 0.17    | 12                | 91.7%               | 11                    | 0.106  | 0.0                |
| Sulfate                     | mg/L                  | 7.07                            | 659    | 651.93  | 12                | 0.0%                | 0                     | 158.96 | 225.5              |
| Chloride                    | mg/L                  | 1                               | 11     | 10      | 12                | 50.0%               | 6                     | 3.4    | 3.8                |
| Total Residual Chlorine     | mg/L                  | 0.05                            | 0.05   | 0       | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L                  | 37                              | 1630   | 1593    | 12                | 0.0%                | 0                     | 406    | 584.0              |
| Total Suspended Solids      | mg/L                  | 4                               | 4      | 0       | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L                  | 28.2                            | 902    | 873.8   | 12                | 0.0%                | 0                     | 245.4  | 323.2              |
|                             |                       |                                 |        |         |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L                  | 2.6                             | 10.8   | 8.2     | 12                | 0.0%                | 0                     | 4.5    | 2.2                |
| Dissolved Arsenic           | ug/L                  | 2.5                             | 2.5    | 0       | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L                  | 0.02                            | 0.1    | 0.08    | 12                | 91.7%               | 11                    | 0.028  | 0.0                |
| Total Recoverable Cadmium   | ug/L                  | 0.02                            | 0.1    | 0.08    | 12                | 83.3%               | 10                    | 0.028  | 0.0                |
| Dissolved Chromium          | ug/L                  | 2.5                             | 2.5    | 0       | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L                  | 1                               | 1.9    | 0.9     | 12                | 58.3%               | 7                     | 1.2    | 0.3                |
| Total Recoverable Copper    | ug/L                  | 1                               | 1.8    | 0.8     | 12                | 58.3%               | 7                     | 1.2    | 0.3                |
| Total Recoverable Iron      | mg/L                  | 0.05                            | 0.05   | 0       | 12                | 100.0%              | 12                    | 0.05   | 0.0                |
| Dissolved Lead              | ug/L                  | 0.16                            | 0.16   | 0       | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L                  | 0.16                            | 0.16   | 0       | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L                  | 0.4                             | 4      | 3.6     | 12                | 91.7%               | 11                    | 1.2    | 0.9                |
| Mercury Dissolved           | ug/L                  | 0.001                           | 0.0015 | 0.0005  | 7                 | 71.4%               | 5                     | 0.0011 | 0.0                |
| Mercury Total               | ug/L                  | 0.001                           | 0.001  | 0       | 6                 | 100.0%              | 6                     | 0.001  | 0.0                |
| Dissolved Nickel            | ug/L                  | 1                               | 1      | 0       | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L                  | 1                               | 1      | 0       | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L                  | 1                               | 1      | 0       | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L                  | 0.1                             | 0.1    | 0       | 6                 | 100.0%              | 6                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L                  | 2.5                             | 3.7    | 1.2     | 12                | 58.3%               | 7                     | 2.8    | 0.4                |
| Total Recoverable Zinc      | ug/L                  | 2.5                             | 5.7    | 3.2     | 12                | 91.7%               | 11                    | 2.8    | 0.9                |
| Color                       | Color Unit            | 5                               | 5      | 0       | 12                | 75.0%               | 9                     | 5      | 0.0                |
| *N                          |                       | c mean standard deviation and r |        |         | L                 |                     |                       | -      |                    |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | -0.1  | 9.3    | 9.4    | 12                | 0.0%                | 0                     | 5.2    | 3.2                |
| Dissolved Oxygen            | mg/L       | 10.83 | 14.68  | 3.85   | 12                | 0.0%                | 0                     | 13.04  | 1.4                |
| pН                          | pH         | 6.68  | 7.82   | 1.14   | 12                | 0.0%                | 0                     | 7.23   | 0.4                |
| Conductivity                | umhos/cm   | 42.6  | 158.8  | 116.2  | 12                | 0.0%                | 0                     | 88.2   | 37.8               |
| Lab Turbidity               | NTU        | 0.21  | 1.08   | 0.87   | 12                | 0.0%                | 0                     | 0.5    | 0.3                |
| Nitrate as N                | mg/L       | 0.48  | 3.46   | 2.98   | 12                | 0.0%                | 0                     | 1.44   | 1.0                |
| Ammonia as N                | mg/L       | 0.098 | 0.32   | 0.222  | 12                | 41.7%               | 5                     | 0.158  | 0.1                |
| Sulfate                     | mg/L       | 8.39  | 54.3   | 45.91  | 12                | 0.0%                | 0                     | 23.08  | 15.9               |
| Chloride                    | mg/L       | 1.5   | 14     | 12.5   | 12                | 0.0%                | 0                     | 5.4    | 4.0                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 54    | 180    | 126    | 12                | 0.0%                | 0                     | 100    | 49.0               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 32.5  | 93     | 60.5   | 12                | 0.0%                | 0                     | 54.6   | 20.7               |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 9.7   | 70.5   | 60.8   | 12                | 0.0%                | 0                     | 26.9   | 20.7               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 91.7%               | 11                    | 0.028  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 83.3%               | 10                    | 0.028  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1.5    | 0.5    | 12                | 66.7%               | 8                     | 1.1    | 0.2                |
| Total Recoverable Copper    | ug/L       | 1     | 1.8    | 0.8    | 12                | 66.7%               | 8                     | 1.1    | 0.3                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.17   | 0.12   | 12                | 58.3%               | 7                     | 0.072  | 0.0                |
| Dissolved Lead              | ug/L       | 0.16  | 0.17   | 0.01   | 12                | 91.7%               | 11                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 1.6   | 8.4    | 6.8    | 12                | 0.0%                | 0                     | 3.87   | 2.2                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0014 | 0,0004 | 7                 | 85.7%               | 6                     | 0.0011 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0016 | 0,0006 | 6                 | 50.0%               | 3                     | 0.0012 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 91.7%               | 11                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 6                 | 100.0%              | 6                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 2.7    | 0.2    | 12                | 83.3%               | 10                    | 2.5    | 0.1                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 30     | 25     | 12                | 33.3%               | 4                     | 11.7   | 9.8                |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 0.1   | 9.1    | 9      | 12                | 0.0%                | 0                     | 4.3    | 3.3                |
| Dissolved Oxygen            | mg/L       | 11.07 | 14.99  | 3.92   | 12                | 0.0%                | 0                     | 13.03  | 1.4                |
| pН                          | pH         | 6.91  | 7.74   | 0.83   | 12                | 0.0%                | 0                     | 7.39   | 0.3                |
| Conductivity                | umhos/cm   | 28    | 72.7   | 44.7   | 12                | 0.0%                | 0                     | 50.6   | 11.3               |
| Lab Turbidity               | NTU        | 0.1   | 1.04   | 0.94   | 12                | 8.3%                | 1                     | 0.43   | 0.3                |
| Nitrate as N                | mg/L       | 0.05  | 0.479  | 0.429  | 12                | 16.7%               | 2                     | 0.196  | 0.1                |
| Ammonia as N                | mg/L       | 0.05  | 0.1    | 0.05   | 12                | 100.0%              | 12                    | 0.096  | 0.0                |
| Sulfate                     | mg/L       | 3.17  | 12.1   | 8.93   | 12                | 0.0%                | 0                     | 6.84   | 2.8                |
| Chloride                    | mg/L       | 1     | 1.7    | 0.7    | 12                | 66.7%               | 8                     | 1.1    | 0.2                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 49    | 165    | 116    | 12                | 0.0%                | 0                     | 65     | 31.0               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 26.5  | 58.9   | 32.4   | 12                | 0.0%                | 0                     | 41.2   | 9.6                |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 5.6   | 36.2   | 30.6   | 12                | 0.0%                | 0                     | 15.5   | 8.6                |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 83.3%               | 10                    | 0.028  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 83.3%               | 10                    | 0.028  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 2.4    | 1.4    | 12                | 66.7%               | 8                     | 1.2    | 0.4                |
| Total Recoverable Copper    | ug/L       | 1     | 2.6    | 1.6    | 12                | 58.3%               | 7                     | 1.2    | 0.5                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.065  | 0.015  | 12                | 83.3%               | 10                    | 0.052  | 0.0                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 1     | 2.8    | 1.8    | 12                | 33.3%               | 4                     | 1.45   | 0.5                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.001  | 0      | 7                 | 100.0%              | 7                     | 0.001  | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0016 | 0.0006 | 5                 | 60.0%               | 3                     | 0.0012 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 2      | 1      | 12                | 91.7%               | 11                    | 1.1    | 0.3                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 6                 | 100.0%              | 6                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 2.5    | 0      | 12                | 91.7%               | 11                    | 2.5    | 0.0                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 20     | 15     | 12                | 58.3%               | 7                     | 7.1    | 4.5                |

| Parameter                   | Units      | Min   | Max   | Range | Number of Samples | Percent Non-detects | Number of Non-detects | Mean  | Standard Deviation |
|-----------------------------|------------|-------|-------|-------|-------------------|---------------------|-----------------------|-------|--------------------|
| Temp                        | oC         | 3.8   | 8.5   | 4.7   | 9                 | 0.0%                | 0                     | 6.1   | 1.7                |
| Dissolved Oxygen            | mg/L       | 10.75 | 13.69 | 2.94  | 9                 | 0.0%                | 0                     | 12.25 | 1.0                |
| pН                          | pH         | 7.08  | 8.07  | 0.99  | 9                 | 0.0%                | 0                     | 7.58  | 0.3                |
| Conductivity                | umhos/cm   | 23.2  | 43    | 19.8  | 9                 | 0.0%                | 0                     | 32    | 6.1                |
| Lab Turbidity               | NTU        | 0.14  | 0.57  | 0.43  | 9                 | 0.0%                | 0                     | 0.25  | 0.1                |
| Nitrate as N                | mg/L       | 0.059 | 0.631 | 0.572 | 9                 | 0.0%                | 0                     | 0.234 | 0.2                |
| Ammonia as N                | mg/L       | 0.05  | 0.1   | 0.05  | 9                 | 100.0%              | 9                     | 0.094 | 0.0                |
| Sulfate                     | mg/L       | 1.88  | 3.45  | 1.57  | 9                 | 0.0%                | 0                     | 2.49  | 0.6                |
| Chloride                    | mg/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05  | 0     | 7                 | 100.0%              | 7                     | 0.05  | 0.0                |
| Total Dissolved Solids      | mg/L       | 26    | 43    | 17    | 9                 | 0.0%                | 0                     | 35.8  | 6.0                |
| Total Suspended Solids      | mg/L       | 4     | 4     | 0     | 9                 | 100.0%              | 9                     | 4     | 0.0                |
| Hardness, Total             | mg/L       | 20.1  | 27.7  | 7.6   | 9                 | 0.0%                | 0                     | 23.2  | 2.8                |
|                             |            |       |       |       |                   |                     |                       |       |                    |
| Total Recoverable Aluminum  | ug/L       | 3.8   | 6.9   | 3.1   | 9                 | 0.0%                | 0                     | 5.2   | 1.1                |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5   | 0     | 3                 | 100.0%              | 3                     | 2.5   | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.02  | 0     | 9                 | 100.0%              | 9                     | 0.02  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.02  | 0     | 9                 | 100.0%              | 9                     | 0.02  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5   | 0     | 3                 | 100.0%              | 3                     | 2.5   | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Total Recoverable Copper    | ug/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.05  | 0     | 9                 | 100.0%              | 9                     | 0.05  | 0.0                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16  | 0     | 9                 | 100.0%              | 9                     | 0.16  | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16  | 0     | 9                 | 100.0%              | 9                     | 0.16  | 0.0                |
| Total Recoverable Manganese | ug/L       | 0.4   | 1     | 0.6   | 9                 | 100.0%              | 9                     | 0.93  | 0.2                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.001 | 0     | 4                 | 100.0%              | 4                     | 0.001 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.001 | 0     | 6                 | 100.0%              | 6                     | 0.001 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1     | 0     | 9                 | 100.0%              | 9                     | 1     | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1   | 0     | 3                 | 100.0%              | 3                     | 0.1   | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3.2   | 0.7   | 9                 | 77.8%               | 7                     | 2.6   | 0.2                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5   | 0     | 9                 | 100.0%              | 9                     | 2.5   | 0.0                |
| Color                       | Color Unit | 5     | 5     | 0     | 9                 | 88.9%               | 8                     | 5     | 0.0                |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 2.4   | 9.6    | 7.2    | 12                | 0.0%                | 0                     | 6.3    | 2.6                |
| Dissolved Oxygen            | mg/L       | 10.53 | 13.75  | 3.22   | 12                | 0.0%                | 0                     | 12.35  | 1.1                |
| pН                          | pH         | 7.13  | 7.97   | 0.84   | 12                | 0.0%                | 0                     | 7.55   | 0.3                |
| Conductivity                | umhos/cm   | 71.7  | 256.3  | 184.6  | 12                | 0.0%                | 0                     | 147.5  | 56.9               |
| Lab Turbidity               | NTU        | 0.35  | 2.5    | 2.15   | 12                | 0.0%                | 0                     | 0.79   | 0.6                |
| Nitrate as N                | mg/L       | 1.07  | 4.6    | 3.53   | 12                | 0.0%                | 0                     | 2.29   | 1.2                |
| Ammonia as N                | mg/L       | 0.34  | 1.26   | 0.92   | 12                | 0.0%                | 0                     | 0.661  | 0.3                |
| Sulfate                     | mg/L       | 18.2  | 94.1   | 75.9   | 12                | 0.0%                | 0                     | 44     | 23.2               |
| Chloride                    | mg/L       | 4.2   | 24     | 19.8   | 12                | 0.0%                | 0                     | 10     | 6.4                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 59    | 263    | 204    | 12                | 0.0%                | 0                     | 137    | 62.0               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 49.5  | 129    | 79.5   | 12                | 0.0%                | 0                     | 82.9   | 23.3               |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 10.9  | 38.5   | 27.6   | 12                | 0.0%                | 0                     | 19.9   | 9.4                |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.12   | 0.1    | 12                | 83.3%               | 10                    | 0.029  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 83.3%               | 10                    | 0.028  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 6                 | 100.0%              | 6                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1.9    | 0.9    | 12                | 66.7%               | 8                     | 1.1    | 0.3                |
| Total Recoverable Copper    | ug/L       | 1     | 2.2    | 1.2    | 12                | 66.7%               | 8                     | 1.2    | 0.4                |
| Total Recoverable Iron      | mg/L       | 0.052 | 0.781  | 0.729  | 12                | 0.0%                | 0                     | 0.142  | 0.2                |
| Dissolved Lead              | ug/L       | 0.16  | 0.18   | 0.02   | 12                | 91.7%               | 11                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 2.9   | 42.4   | 39.5   | 12                | 0.0%                | 0                     | 13.35  | 11.9               |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0025 | 0.0015 | 7                 | 71.4%               | 5                     | 0.0014 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0021 | 0.0011 | 5                 | 40.0%               | 2                     | 0.0014 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1.7    | 0.7    | 12                | 83.3%               | 10                    | 1.1    | 0.2                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0.7    | 6                 | 100.0%              | 6                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3.5    | 1      | 12                | 66.7%               | 8                     | 2.7    | 0.3                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 2.5    | 15     | 12                | 50.0%               | 6                     | 8.8    | 5.3                |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 0.3   | 15.9   | 15.6   | 12                | 0.0%                | 0                     | 6      | 5.8                |
| Dissolved Oxygen            | mg/L       | 8.38  | 13.33  | 4.95   | 12                | 0.0%                | 0                     | 11.01  | 1.5                |
| pН                          | pH         | 6.95  | 8.17   | 1.22   | 12                | 0.0%                | 0                     | 7.67   | 0.3                |
| Conductivity                | umhos/cm   | 29.6  | 308.6  | 279    | 12                | 0.0%                | 0                     | 82.6   | 73.7               |
| Lab Turbidity               | NTU        | 0.34  | 1.05   | 0.71   | 12                | 0.0%                | 0                     | 0.59   | 0.2                |
| Nitrate as N                | mg/L       | 0.05  | 0.1    | 0.05   | 12                | 100.0%              | 12                    | 0.067  | 0.0                |
| Ammonia as N                | mg/L       | 0.05  | 0.1    | 0.05   | 12                | 100.0%              | 12                    | 0.096  | 0.0                |
| Sulfate                     | mg/L       | 1.51  | 5.78   | 4.27   | 12                | 0.0%                | 0                     | 2.66   | 1.1                |
| Chloride                    | mg/L       | 1     | 2      | 1      | 12                | 58.3%               | 7                     | 1.4    | 0.4                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 25    | 114    | 89     | 12                | 0.0%                | 0                     | 69.3   | 22.4               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 25    | 70.9   | 45.9   | 12                | 0.0%                | 0                     | 51.4   | 13.5               |
| T-t-l Dll- Ali              | ~          | 20.0  | 440    | 00.4   |                   | 0.007               |                       |        | 252                |
| Total Recoverable Aluminum  | ug/L       | 28.9  | 119    | 90.1   | 12                | 0.0%                | 0                     | 65.4   | 26.2               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Copper    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Iron      | mg/L       | 0.063 | 0.266  | 0.203  | 12                | 0.0%                | 0                     | 0.18   | 0.1                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 13.9  | 96.3   | 82.4   | 12                | 0.0%                | 0                     | 29.3   | 22.2               |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0024 | 0.0014 | 6                 | 16.7%               | 1                     | 0.0016 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0027 | 0.0017 | 6                 | 0.0%                | 0                     | 0.0018 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3.8    | 1.3    | 12                | 83.3%               | 10                    | 2.6    | 0.4                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 20    | 100    | 80     | 12                | 0.0%                | 0                     | 51.7   | 22.8               |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 1.1   | 16.3   | 15.2   | 12                | 0.0%                | 0                     | 6.6    | 5.5                |
| Dissolved Oxygen            | mg/L       | 9.02  | 15.28  | 6.26   | 12                | 0.0%                | 0                     | 12.31  | 2.1                |
| pН                          | pH         | 6.7   | 8.15   | 1.45   | 12                | 0.0%                | 0                     | 7.66   | 0.4                |
| Conductivity                | umhos/cm   | 66.7  | 458.2  | 391.5  | 12                | 0.0%                | 0                     | 259.1  | 127.4              |
| Lab Turbidity               | NTU        | 0.31  | 1.02   | 0.71   | 12                | 0.0%                | 0                     | 0.57   | 0.2                |
| Nitrate as N                | mg/L       | 1.13  | 5.14   | 4.01   | 12                | 0.0%                | 0                     | 2.75   | 1.4                |
| Ammonia as N                | mg/L       | 0.38  | 1.47   | 1.09   | 12                | 0.0%                | 0                     | 0.939  | 0.4                |
| Sulfate                     | mg/L       | 58.1  | 241    | 182.9  | 12                | 0.0%                | 0                     | 131.3  | 62.6               |
| Chloride                    | mg/L       | 4.5   | 13.7   | 9.2    | 12                | 0.0%                | 0                     | 9.1    | 3.3                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 146   | 492    | 346    | 12                | 0.0%                | 0                     | 285    | 112.0              |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 83.4  | 277    | 193.6  | 12                | 0.0%                | 0                     | 170.8  | 60.7               |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 4.7   | 96.2   | 91.5   | 12                | 0.0%                | 0                     | 37.5   | 25.9               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 91.7%               | 11                    | 0.055  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Copper    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Iron      | mg/L       | 0.064 | 0.443  | 0.379  | 12                | 0.0%                | 0                     | 0.166  | 0.1                |
| Dissolved Lead              | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 8.2   | 33.5   | 25.3   | 12                | 0.0%                | 0                     | 19.8   | 7.7                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0022 | 0.0012 | 6                 | 66.7%               | 4                     | 0.0012 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0023 | 0.0013 | 6                 | 50.0%               | 3                     | 0.0013 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3.1    | 0.6    | 12                | 58.3%               | 7                     | 2.6    | 0.2                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 90     | 85     | 12                | 0.0%                | 0                     | 31.7   | 23.0               |

| Parameter                   | Units      | Min    | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|--------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 0.4    | 13.1   | 12.7   | 12                | 0.0%                | 0                     | 6      | 5.2                |
| Dissolved Oxygen            | mg/L       | 10.2   | 14.59  | 4.39   | 12                | 0.0%                | 0                     | 12.74  | 1.7                |
| pH                          | pH         | 6.89   | 8.01   | 1.12   | 12                | 0.0%                | 0                     | 7.65   | 0.4                |
| Conductivity                | umhos/cm   | 114.9  | 359    | 244.1  | 12                | 0.0%                | 0                     | 217.9  | 85.0               |
| Lab Turbidity               | NTU        | 0.25   | 1.06   | 0.81   | 12                | 0.0%                | 0                     | 0.55   | 0.2                |
| Nitrate as N                | mg/L       | 0.58   | 5.08   | 4.5    | 12                | 0.0%                | 0                     | 2.69   | 1.6                |
| Ammonia as N                | mg/L       | 0.14   | 1.36   | 1.22   | 12                | 0.0%                | 0                     | 0.702  | 0.4                |
| Sulfate                     | mg/L       | 27.7   | 233    | 205.3  | 12                | 0.0%                | 0                     | 119.7  | 69.9               |
| Chloride                    | mg/L       | 2.4    | 13.7   | 11.3   | 12                | 0.0%                | 0                     | 8.3    | 4.1                |
| Total Residual Chlorine     | mg/L       | 0.05   | 0.05   | 0      | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 103    | 469    | 366    | 12                | 0.0%                | 0                     | 264    | 121.0              |
| Total Suspended Solids      | mg/L       | 4      | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 67.1   | 260    | 192.9  | 12                | 0.0%                | 0                     | 155.2  | 69.4               |
|                             |            |        |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 8.1    | 120    | 111.9  | 12                | 0.0%                | 0                     | 43.3   | 30.7               |
| Dissolved Arsenic           | ug/L       | 2.5    | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02   | 0.1    | 0.08   | 12                | 91.7%               | 11                    | 0.054  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02   | 0.1    | 0.08   | 12                | 66.7%               | 8                     | 0.057  | 0.0                |
| Dissolved Chromium          | ug/L       | 2.5    | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1      | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Copper    | ug/L       | 1      | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Iron      | mg/L       | 0.05   | 0.372  | 0.322  | 12                | 16.7%               | 2                     | 0.137  | 0.1                |
| Dissolved Lead              | ug/L       | 0.16   | 0.16   | 0      | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Lead      | ug/L       | 0.16   | 0.31   | 0.15   | 12                | 91.7%               | 11                    | 0.17   | 0.0                |
| Total Recoverable Manganese | ug/L       | 6.1    | 36.2   | 30.1   | 12                | 0.0%                | 0                     | 14.5   | 8.7                |
| Mercury Dissolved           | ug/L       | 0.0012 | 0.0033 | 0.0021 | 6                 | 0.0%                | 0                     | 0.0016 | 0.0                |
| Mercury Total               | ug/L       | 0.001  | 0.0029 | 0.0019 | 6                 | 33.3%               | 2                     | 0.0016 | 0.0                |
| Dissolved Nickel            | ug/L       | 1      | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1      | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1      | 1.4    | 0.4    | 12                | 91.7%               | 11                    | 1      | 0.1                |
| Dissolved Silver            | ug/L       | 0.1    | 0.1    | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5    | 3.5    | 1      | 12                | 58.3%               | 7                     | 2.8    | 0.4                |
| Total Recoverable Zinc      | ug/L       | 2.5    | 2.5    | 0      | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5      | 90     | 85     | 12                | 8.3%                | 1                     | 32.1   | 23.0               |

| Parameter                   | Units      | Min   | Max    | Range  | Number of Samples | Percent Non-detects | Number of Non-detects | Mean   | Standard Deviation |
|-----------------------------|------------|-------|--------|--------|-------------------|---------------------|-----------------------|--------|--------------------|
| Temp                        | oC         | 0.2   | 14.9   | 14.7   | 12                | 0.0%                | 0                     | 5.6    | 5.3                |
| Dissolved Oxygen            | mg/L       | 9.95  | 15.35  | 5.4    | 12                | 0.0%                | 0                     | 13.45  | 1.8                |
| pН                          | pH         | 6.53  | 8.04   | 1.51   | 12                | 0.0%                | 0                     | 7.54   | 0.6                |
| Conductivity                | umhos/cm   | 76.4  | 421.4  | 345    | 12                | 0.0%                | 0                     | 174.3  | 101.2              |
| Lab Turbidity               | NTU        | 0.17  | 0.87   | 0.7    | 12                | 0.0%                | 0                     | 0.4    | 0.2                |
| Nitrate as N                | mg/L       | 0.21  | 3.55   | 3.34   | 12                | 0.0%                | 0                     | 1.54   | 1.1                |
| Ammonia as N                | mg/L       | 0.1   | 0.95   | 0.85   | 12                | 8.3%                | 1                     | 0.4    | 0.3                |
| Sulfate                     | mg/L       | 12.4  | 167    | 154.6  | 12                | 0.0%                | 0                     | 71.8   | 48.8               |
| Chloride                    | mg/L       | 1.9   | 10.1   | 8.2    | 12                | 0.0%                | 0                     | 5.7    | 2.4                |
| Total Residual Chlorine     | mg/L       | 0.05  | 0.05   |        | 7                 | 100.0%              | 7                     | 0.05   | 0.0                |
| Total Dissolved Solids      | mg/L       | 73    | 363    | 290    | 12                | 0.0%                | 0                     | 183    | 87.0               |
| Total Suspended Solids      | mg/L       | 4     | 4      | 0      | 12                | 100.0%              | 12                    | 4      | 0.0                |
| Hardness, Total             | mg/L       | 49.8  | 207    | 157.2  | 12                | 0.0%                | 0                     | 110.8  | 50.7               |
|                             |            |       |        |        |                   |                     |                       |        |                    |
| Total Recoverable Aluminum  | ug/L       | 9.6   | 111    | 101.4  | 12                | 0.0%                | 0                     | 37     | 27.1               |
| Dissolved Arsenic           | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Cadmium           | ug/L       | 0.02  | 0.1    | 0.08   | 12                | 100.0%              | 12                    | 0.053  | 0.0                |
| Total Recoverable Cadmium   | ug/L       | 0.02  | 0.24   |        | 12                | 66.7%               | 8                     | 0.067  | 0.1                |
| Dissolved Chromium          | ug/L       | 2.5   | 2.5    | 0      | 5                 | 100.0%              | 5                     | 2.5    | 0.0                |
| Dissolved Copper            | ug/L       | 1     | 1.1    |        | 12                | 91.7%               | 11                    | 1      | 0.0                |
| Total Recoverable Copper    | ug/L       | 1     | 1.2    | 0.2    | 12                | 91.7%               | 11                    | 1      | 0.1                |
| Total Recoverable Iron      | mg/L       | 0.05  | 0.24   | 0.19   | 12                | 41.7%               | 5                     | 0.088  | 0.1                |
| Dissolved Lead              | ug/L       | 0.16  | 0.52   | 0.36   | 12                | 91.7%               | 11                    | 0.19   | 0.1                |
| Total Recoverable Lead      | ug/L       | 0.16  | 0.16   |        | 12                | 100.0%              | 12                    | 0.16   | 0.0                |
| Total Recoverable Manganese | ug/L       | 2.8   | 22.1   | 19.3   | 12                | 0.0%                | 0                     | 7.7    | 4.9                |
| Mercury Dissolved           | ug/L       | 0.001 | 0.0023 | 0.0013 | 6                 | 33.3%               | 2                     | 0.0014 | 0.0                |
| Mercury Total               | ug/L       | 0.001 | 0.0035 |        | 6                 | 16.7%               | 1                     | 0.0017 | 0.0                |
| Dissolved Nickel            | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Nickel    | ug/L       | 1     | 1      |        | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Total Recoverable Selenium  | ug/L       | 1     | 1      | 0      | 12                | 100.0%              | 12                    | 1      | 0.0                |
| Dissolved Silver            | ug/L       | 0.1   | 0.1    | 0      | 5                 | 100.0%              | 5                     | 0.1    | 0.0                |
| Dissolved Zinc              | ug/L       | 2.5   | 3      | 0.5    | 12                | 75.0%               | 9                     | 2.6    | 0.2                |
| Total Recoverable Zinc      | ug/L       | 2.5   | 2.5    |        | 12                | 100.0%              | 12                    | 2.5    | 0.0                |
| Color                       | Color Unit | 5     | 80     | 75     | 12                | 0.0%                | 0                     | 27.5   | 20.9               |

| Table: 19 Outfall 001 2017 Water Quality Data Summary Statistics |       |        |        |        |                      |                         |                          |       |                       |
|--|-------|--------|--------|--------|----------------------|-------------------------|--------------------------|-------|-----------------------|
| Parameter  | Units | Min    | Max    | Range  | Number of<br>Samples | Percent Non-<br>detects | Number of<br>Non-detects | Mean  | Standard<br>Deviation |
| Temperature  | oC    | 2.8    | 12.6   | 9.8    | 62                   | 0.0%                    | 0                        | 8.1   | 2.3                   |
| Lab Turbidity  | NTU   | 0.23   | 2.33   | 2.1    | 62                   | 0.0%                    | 0                        | 0.8   | 0.4                   |
| Lab Turbidity 001 Background                                     | NTU   | 0.1    | 45.2   | 45.1   | 62                   | 3.2%                    | 2                        | 1.1   | 5.7                   |
| Lab Turbidity Difference   | NTU   | -44.51 | 2.17   | 46.68  | 62                   | 0.0%                    | 0                        | -0.3  | 5.8                   |
| Total Suspended Solids   | mg/L  | 4      | 5.2    | 1.2    | 190                  | 99.5%                   | 189                      | 4.0   | 0.1                   |
| Sulfate (associated with Na& Mg)                                 | mg/L  | 35.2   | 156    | 120.8  | 62                   | 0.0%                    | 0                        | 63.7  | 27.2                  |
| Dissolved oxygen   | mg/L  | 10.24  | 14     | 3.76   | 62                   | 0.0%                    | 0                        | 11.9  | 0.9                   |
| Hardness   | mg/L  | 117    | 203    | 86     | 39                   | 0.0%                    | 0                        | 153.8 | 19.9                  |
| Hardness Downstream of Outfall                                   | mg/L  | 32.2   | 183    | 150.8  | 25                   | 0.0%                    | 0                        | 86.0  | 36.2                  |
| Nitrate as N   | mg/L  | 3.1    | 10.7   | 7.6    | 62                   | 0.0%                    | 0                        | 6.2   | 1.8                   |
| Ammonia as N   | mg/L  | 0.94   | 3.43   | 2.49   | 188                  | 0.0%                    | 0                        | 1.6   | 0.4                   |
| Total Recoverable Arsenic  | ug/L  | 2.5    | 2.5    | 0      | 9                    | 100.0%                  | 9                        | 2.5   | 0.0                   |
| Total Recoverable Iron   | mg/L  | 0.074  | 0.487  | 0.413  | 62                   | 0.0%                    | 0                        | 0.1   | 0.1                   |
| Total Recoverable Selenium                                       | ug/L  | 1      | 1.9    | 0.9    | 9                    | 11.1%                   | 1                        | 1.5   | 0.3                   |
| Total Chromium   | ug/L  | 2.5    | 3      | 0.5    | 9                    | 77.8%                   | 7                        | 2.6   | 0.2                   |
| Total Recoverable Nickel   | ug/L  | 1      | 3.8    | 2.8    | 62                   | 98.4%                   | 61                       | 1.1   | 0.4                   |
| Total Recoverable Silver   | ug/L  | 0.1    | 0.1    | 0      | 9                    | 100.0%                  | 9                        | 0.1   | 0.0                   |
| Total Recoverable Zinc   | ug/L  | 2.5    | 6.7    | 4.2    | 62                   | 98.4%                   | 61                       | 2.6   | 0.5                   |
| Total Recoverable Cadmium  | ug/L  | 0.02   | 0.029  | 0.009  | 62                   | 91.9%                   | 57                       | 0.0   | 0.0                   |
| Total Recoverable Aluminum                                       | ug/L  | 4.8    | 38.2   | 33.4   | 62                   | 0.0%                    | 0                        | 13.0  | 7.3                   |
| Total Recoverable Lead   | ug/L  | 0.16   | 0.16   | 0      | 62                   | 100.0%                  | 62                       | 0.2   | 0.0                   |
| Total Recoverable Copper   | ug/L  | 1      | 1      | 0      | 62                   | 100.0%                  | 62                       | 1.0   | 0.0                   |
| Total Recoverable Manganese                                      | ug/L  | 5.4    | 46.4   | 41     | 62                   | 0.0%                    | 0                        | 20.4  | 9.8                   |
| Total Dissolved Solids   | mg/L  | 190    | 475    | 285    | 62                   | 0.0%                    | 0                        | 307.0 | 65.0                  |
| Mercury Total  | ug/L  | 0.001  | 0.0013 | 0.0003 | 42                   | 90.5%                   | 38                       | 0.0   | 0.0                   |

<sup>\*</sup>Non -detects are assigned the detection limit for the arithmetic mean, standard deviation and range calculations.

\*\*For a list of PQLs please see Table 22

| Table: 20 Outfall 002 2017 Water Qual | ity Data Sur | nmary Sta | itistics |        |           |              |             |       |           |
|---------------------------------------|--------------|-----------|----------|--------|-----------|--------------|-------------|-------|-----------|
|                                       |              |           |          |        | Number of | Percent Non- | Number of   |       | Standard  |
| Parameter                             | Units        | Min       | Max      | Range  | Samples   | detects      | Non-detects | Mean  | Deviation |
| Temperature                           | oC           | 2         | 19.2     | 17.2   | 62        | 0.0%         | 0           | 9.1   | 4.50      |
| Dissolved Oxygen                      | mg/L         | 5.25      | 12.7     | 7.45   | 37        | 0.0%         | 0           | 9.28  | 1.95      |
| Lab Turbidity                         | NTU          | 0.27      | 1.68     | 1.41   | 62        | 0.0%         | 0           | 0.55  | 0.26      |
| Lab Turbidity 002 Background          | NTU          | 0.32      | 3.05     | 2.73   | 62        | 0.0%         | 0           | 0.7   | 0.50      |
| Lab Turbidity Difference              | NTU          | -2.31     | 1.17     | 3.48   | 62        | 0.0%         | 0           | -0.15 | 0.51      |
| <b>Total Suspended Solids</b>         | mg/L         | 4         | 5.6      | 1.6    | 188       | 99.5%        | 187         | 4     | 0.10      |
| Ammonia as N                          | mg/L         | 1.26      | 1.88     | 0.62   | 66        | 0.0%         | 0           | 1.52  | 0.15      |
| Nitrate as N                          | mg/L         | 3.31      | 8.48     | 5.17   | 62        | 0.0%         | 0           | 4.51  | 0.64      |
| Hardness, Total                       | mg/L         | 180       | 275      | 95     | 63        | 0.0%         | 0           | 244.3 | 22.20     |
| Hardness Downstream of Outfall        | mg/L         | 36.5      | 262      | 225.5  | 25        | 0.0%         | 0           | 150.2 | 65.50     |
| Sulfate                               | mg/L         | 163       | 262      | 99     | 62        | 0.0%         | 0           | 214   | 23.60     |
| Total Recoverable Arsenic             | ug/L         | 2.5       | 2.5      | 0      | 8         | 100.0%       | 8           | 2.5   | 0.00      |
| Total Recoverable Iron                | mg/L         | 0.05      | 0.641    | 0.591  | 62        | 1.6%         | 1           | 0.148 | 0.11      |
| Total Recoverable Selenium            | ug/L         | 1         | 1        | 0      | 62        | 100.0%       | 62          | 1     | 0.00      |
| Total Chromium                        | ug/L         | 2.5       | 2.5      | 0      | 25        | 100.0%       | 25          | 2.5   | 0.00      |
| Total Recoverable Nickel              | ug/L         | 1         | 3.1      | 2.1    | 62        | 91.9%        | 57          | 1.1   | 0.30      |
| Total Recoverable Silver              | ug/L         | 0.1       | 0.1      | 0      | 62        | 100.0%       | 62          | 0.1   | 0.00      |
| Total Recoverable Zinc                | ug/L         | 2.5       | 4.7      | 2.2    | 62        | 98.4%        | 61          | 2.5   | 0.30      |
| Total Recoverable Aluminum            | ug/L         | 3.6       | 17.1     | 13.5   | 62        | 0.0%         | 0           | 8.1   | 2.90      |
| Total Recoverable Cadmium             | ug/L         | 0.02      | 0.059    | 0.039  | 62        | 93.5%        | 58          | 0.021 | 0.01      |
| Total Recoverable Lead                | ug/L         | 0.16      | 0.16     | 0      | 62        | 100.0%       | 62          | 0.16  | 0.00      |
| Total Recoverable Copper              | ug/L         | 1         | 1        | 0      | 62        | 100.0%       | 62          | 1     | 0.00      |
| Total Recoverable Manganese           | ug/L         | 7         | 41.3     | 34.3   | 62        | 0.0%         | 0           | 17.4  | 7.80      |
| Total Dissolved Solids                | mg/L         | 273       | 471      | 198    | 62        | 0.0%         | 0           | 423   | 37.00     |
| Mercury Total                         | ug/L         | 0.001     | 0.0013   | 0.0003 | 61        | 93.4%        | 57          | 0.001 | 0.00      |

\*Non -detects are assigned the detection limit for the arithmetic mean, standard deviation and range calculations.

\*\*For a list of PQLs please see Table 22

## Table 23 Qualified Data

| Sample ID            | ANALYTE                  | MATRIX | METHOD       | QC TYPE | Analysis Date | Qualifier |
|----------------------|--------------------------|--------|--------------|---------|---------------|-----------|
| CAK-001EFF-20170103  | Turbidity                | Water  | 180.1        | SMPL    | 05-JAN-17     | HT        |
| CAK-001EFF-20170103  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 05-JAN-17     | HT        |
| CAK-001EFF-20170515  | Turbidity                | Water  | 180.1        | SMPL    | 18-MAY-17     | HT        |
| CAK-001EFF-20170522  | Solids, Total Dissolved  | Water  | SM 2540 C    | SMPL    | 01-JUN-17     | HT        |
| CAK-001EFF-20170605  | Turbidity                | Water  | 180.1        | SMPL    | 08-JUN-17     | HT        |
| CAK-001EFF-20170710  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 12-JUL-17     | HT        |
| CAK-001EFF-20171023  | Turbidity                | Water  | 180.1        | SMPL    | 25-OCT-17     | HT        |
| CAK-001EFF-20171023  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 25-OCT-17     | HT        |
| CAK-001EFF-20171113  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 15-NOV-17     | HT        |
| CAK-001EFF-20171211  | Turbidity                | Water  | 180.1        | SMPL    | 12-DEC-17     | HT        |
| CAK-001EFF-20171211  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 12-DEC-17     | HT        |
| CAK-001EFF-201726    | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 28-DEC-17     | HT        |
| CAK-002EFF-20170522  | Solids, Total Dissolved  | Water  | SM 2540 C    | SMPL    | 06-JUN-17     | HT        |
| CAK-002EFF-20170605  | Turbidity                | Water  | 180.1        | SMPL    | 08-JUN-17     | HT        |
| CAK-002EFF-20171023  | Turbidity                | Water  | 180.1        | SMPL    | 25-OCT-17     | HT        |
| CAK-002EFF-20171023  | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 25-OCT-17     | HT        |
| CAK-002EFF-201712026 | Nitrate as Nitrogen      | Water  | 300.0        | SMPL    | 28-DEC-17     | HT        |
| CAK-JS2-2017         | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-OCT-17     | HT        |
| CAK-JS2-2017026      | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-JUL-17     | HT        |
| CAK-JS2-20170622     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-JS2-20170801     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 02-AUG-17     | HT        |
| CAK-JS2-20170926     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-SEP-17     | HT        |
| CAK-JS2-20171116     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 17-NOV-17     | HT        |
| CAK-JS2-20171207     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-JS4-2017         | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-OCT-17     | HT        |
| CAK-JS4-2017026      | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-JUL-17     | HT        |
| CAK-JS4-20170622     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-JS4-20170801     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 02-AUG-17     | HT        |
| CAK-JS4-20170926     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-SEP-17     | HT        |
| CAK-JS4-20171116     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 17-NOV-17     | HT        |
| CAK-JS4-20171207     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-JS5-2017         | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-OCT-17     | HT        |
| CAK-JS5-2017026      | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-JUL-17     | HT        |

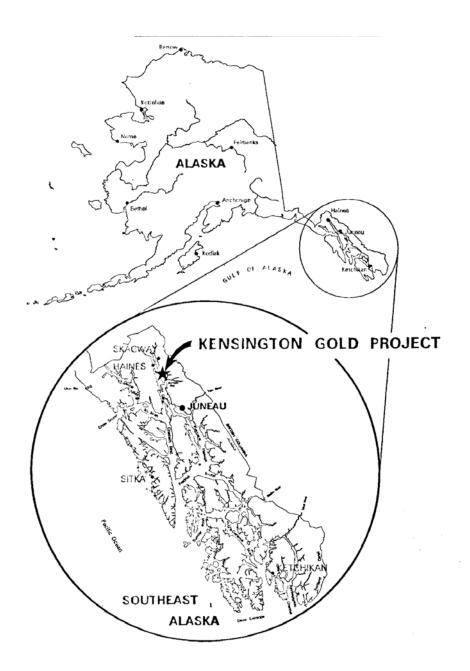
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|----------------------|--------------------------|--------|--------------|---------|---------------|-----------|
| CAK-JS5-20170622     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-JS5-20170801     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 02-AUG-17     | HT        |
| CAK-JS5-20170926     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 27-SEP-17     | HT        |
| CAK-JS5-20171116     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 17-NOV-17     | HT        |
| CAK-JS5-20171207     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-MLA-20170103     | Turbidity                | Water  | 180.1        | SMPL    | 05-JAN-17     | HT        |
| CAK-MLA-20170605     | Turbidity                | Water  | 180.1        | SMPL    | 08-JUN-17     | HT        |
| CAK-MLA-20170615     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-MLA-20170725     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-JUL-17     | HT        |
| CAK-MLA-20170823     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 24-AUG-17     | HT        |
| CAK-MLA-20170921     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 22-SEP-17     | HT        |
| CAK-MLA-20171019     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 20-OCT-17     | HT        |
| CAK-MLA-20171023     | Turbidity                | Water  | 180.1        | SMPL    | 25-OCT-17     | HT        |
| CAK-MLA-20171128     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 29-NOV-17     | HT        |
| CAK-MLA-20171219     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 21-DEC-17     | HT        |
| CAK-SH103-2017060617 | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH103-20170711   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH103-20170817   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 18-AUG-17     | HT        |
| CAK-SH103-20170907   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-SEP-17     | HT        |
| CAK-SH103-20171005   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 07-OCT-17     | HT        |
| CAK-SH103-20171102   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 03-NOV-17     | HT        |
| CAK-SH103-20171207   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-SH105-2017060617 | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH105-20170711   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH105-20170817   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 18-AUG-17     | HT        |
| CAK-SH105-20170907   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-SEP-17     | HT        |
| CAK-SH105-20171005   | Color                    | Water  | SM 2120 B    | SMPL    | 07-OCT-17     | HT        |
| CAK-SH105-20171005   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 07-OCT-17     | HT        |
| CAK-SH105-20171102   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 03-NOV-17     | HT        |
| CAK-SH105-20171207   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-SH109-20170103   | Turbidity                | Water  | 180.1        | SMPL    | 05-JAN-17     | HT        |
| CAK-SH109-20170515   | Turbidity                | Water  | 180.1        | SMPL    | 18-MAY-17     | HT        |
| CAK-SH109-20170605   | Turbidity                | Water  | 180.1        | SMPL    | 08-JUN-17     | HT        |

| Sample ID            | ANALYTE                  | MATRIX | METHOD       | QC TYPE | Analysis Date | Qualifier |
|----------------------|--------------------------|--------|--------------|---------|---------------|-----------|
| CAK-SH109-2017060617 | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH109-20170710   | Turbidity                | Water  | 180.1        | SMPL    | 12-JUL-17     | HT        |
| CAK-SH109-20170711   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH109-20170817   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 18-AUG-17     | HT        |
| CAK-SH109-20170907   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-SEP-17     | HT        |
| CAK-SH109-20171023   | Turbidity                | Water  | 180.1        | SMPL    | 25-OCT-17     | HT        |
| CAK-SH109-2017105    | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 07-OCT-17     | HT        |
| CAK-SH109-20171102   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 03-NOV-17     | HT        |
| CAK-SH109-20171207   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-SH109-20171211   | Turbidity                | Water  | 180.1        | SMPL    | 12-DEC-17     | HT        |
| CAK-SH111-2017060617 | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH111-20170711   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH111-20170817   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 18-AUG-17     | HT        |
| CAK-SH111-20170907   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-SEP-17     | HT        |
| CAK-SH111-20171005   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 07-OCT-17     | HT        |
| CAK-SH111-20171102   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 03-NOV-17     | HT        |
| CAK-SH111-20171207   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-SH113-2017060617 | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH113-20170711   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SH113-20170817   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 18-AUG-17     | HT        |
| CAK-SH113-20170907   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-SEP-17     | HT        |
| CAK-SH113-20171005   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 07-OCT-17     | HT        |
| CAK-SH113-20171102   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 03-NOV-17     | HT        |
| CAK-SH113-20171207   | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 08-DEC-17     | HT        |
| CAK-SLB-20170615     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SLB-20170725     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-JUL-17     | HT        |
| CAK-SLB-20170823     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 24-AUG-17     | HT        |
| CAK-SLB-20170921     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 22-SEP-17     | HT        |
| CAK-SLB-20171019     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 20-OCT-17     | HT        |
| CAK-SLB-20171128     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 29-NOV-17     | HT        |
| CAK-SLB-20171219     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 21-DEC-17     | HT        |
| CAK-SLC-20170615     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 13-JUL-17     | HT        |
| CAK-SLC-20170725     | Chlorine, Total Residual | Water  | SM 4500-Cl G | SMPL    | 26-JUL-17     | HT        |

| Sample ID                   | ANALYTE                        | MATRIX              | METHOD           | QC TYPE    | Analysis Date      | Qualifier |
|-----------------------------|--------------------------------|---------------------|------------------|------------|--------------------|-----------|
| CAK-SLC-20170823            | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 24-AUG-17          | HT        |
| CAK-SLC-20170921            | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 22-SEP-17          | HT        |
| CAK-SLC-20171019            | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 20-OCT-17          | HT        |
| CAK-SLC-20171128            | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 29-NOV-17          | HT        |
| CAK-SLC-20171219            | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 21-DEC-17          | HT        |
| CAK-SMP-5-20170615          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 13-JUL-17          | HT        |
| CAK-SMP-5-20170725          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 26-JUL-17          | HT        |
| CAK-SMP-5-20170823          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 24-AUG-17          | HT        |
| CAK-SMP-5-20170921          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 22-SEP-17          | HT        |
| CAK-SMP-5-20171019          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 20-OCT-17          | HT        |
| CAK-SMP-5-20171128          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 29-NOV-17          | HT        |
| CAK-SMP-5-20171219          | Chlorine, Total Residual       | Water               | SM 4500-Cl G     | SMPL       | 21-DEC-17          | HT        |
| Please note: Total residual | chlorine is considered a field | d parameter and the | erefore was sent | to the lal | ooratory as soon a |           |

## Figures 1-19

Figure 1: Project Area Map



**Figure 2**: Location of streams and permitted outfalls near Kensington and Jualin Mines, Lynn Canal, southeast Alaska. Water quality monitoring is conducted on Sherman, Ophir, Slate and Johnson Creeks.

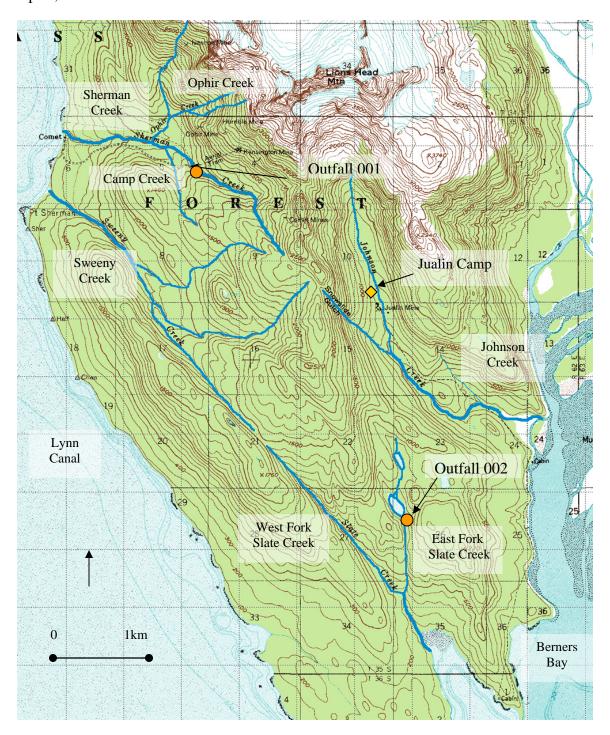


Figure 3: Water Treatment Facility Monitoring Sites.

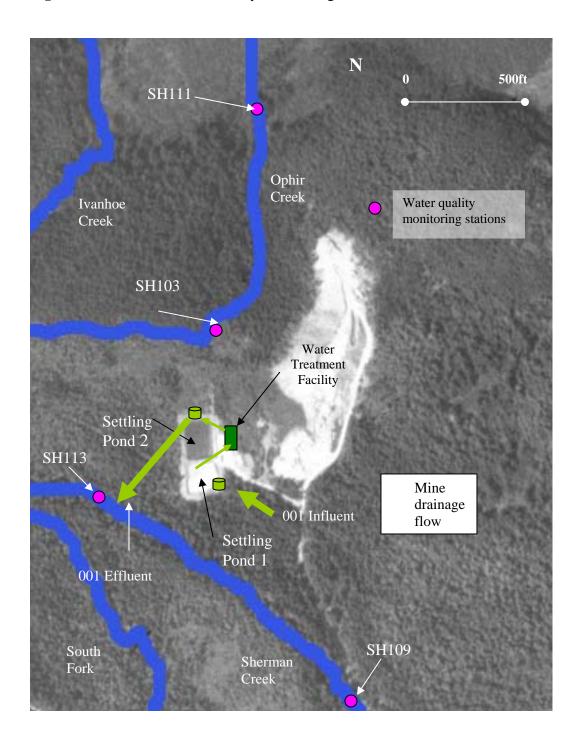
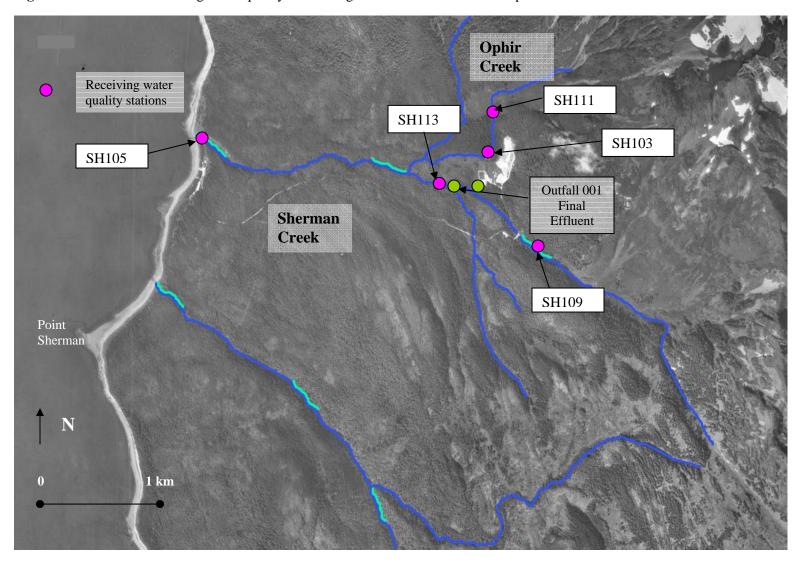


Figure 4: Location of receiving water quality monitoring stations on Sherman and Ophir Creeks.



Process s Mill JS5 Jualin JS4 Camp **Johnson Creek** Receiving water quality stations MLA Outfall 002 East Fork West Fork SMP-5 Slate Creek Slate Creek SLB SLC 1km

Figure 5: Locations of receiving water quality monitoring stations on Slate and Johnson Creeks.

Figure 6a: Johnson Creek (JS2) Monitoring Results 2006 -2017, Field Parameters

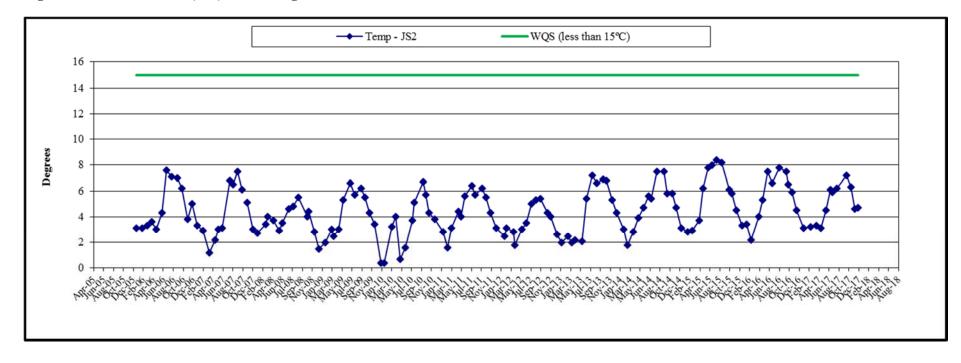


Figure 6a: Johnson Creek (JS2) Monitoring Results 2006 -2017, Field Parameters

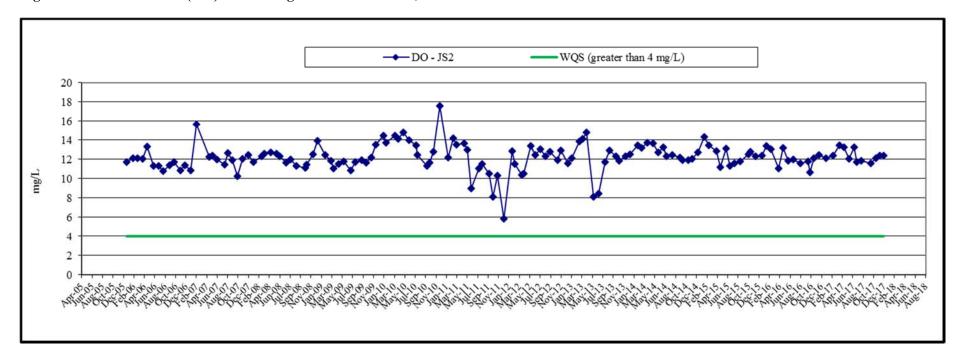


Figure 6a: Johnson Creek (JS2) Monitoring Results 2006 -2017, Field Parameters

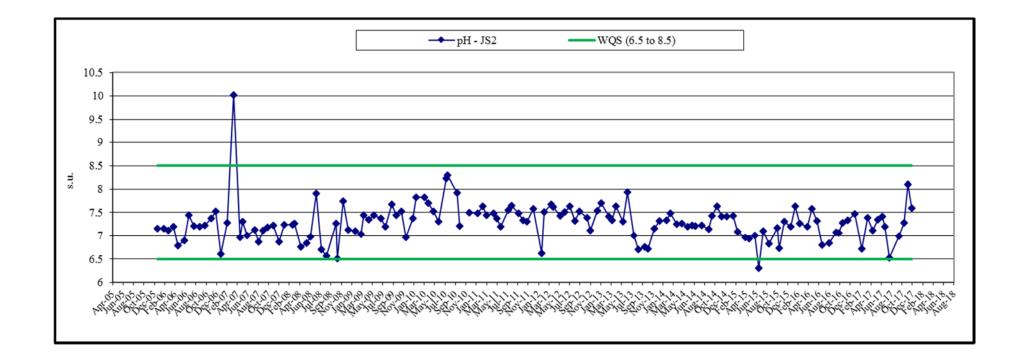


Figure 6a: Johnson Creek (JS2) Monitoring Results 2006 -2017, Field Parameters

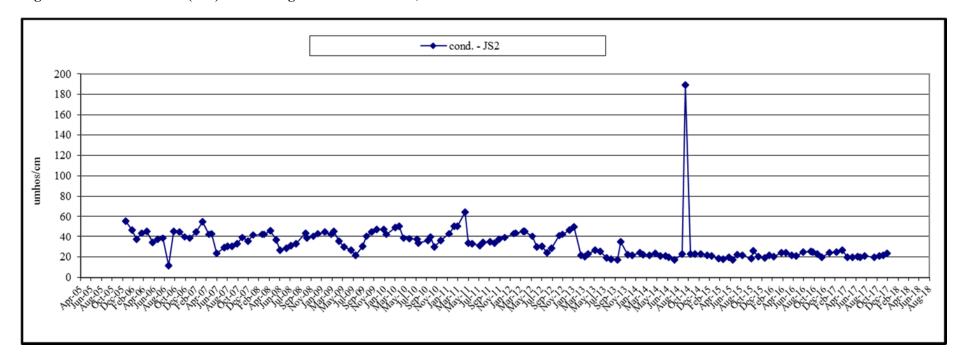


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

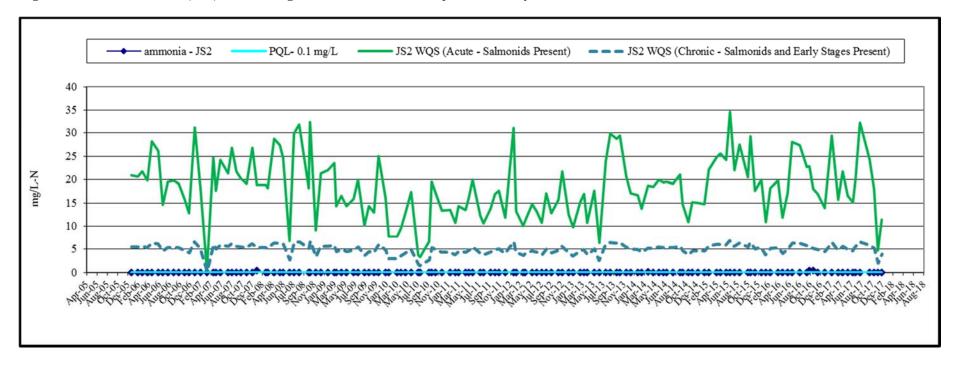


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

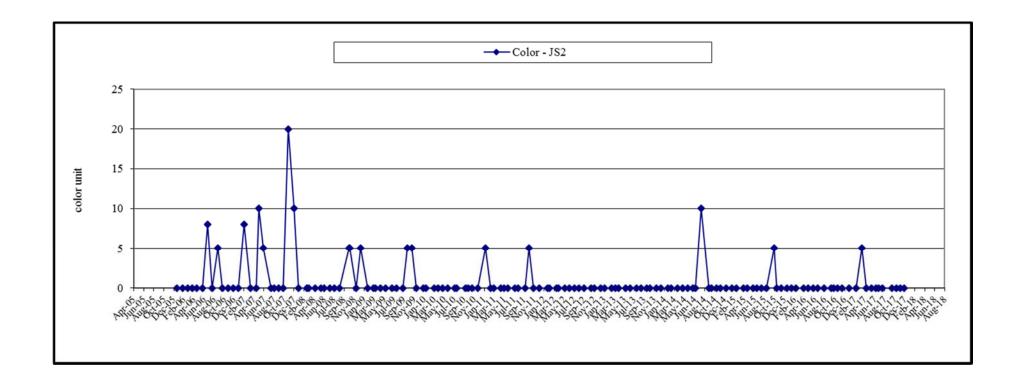


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

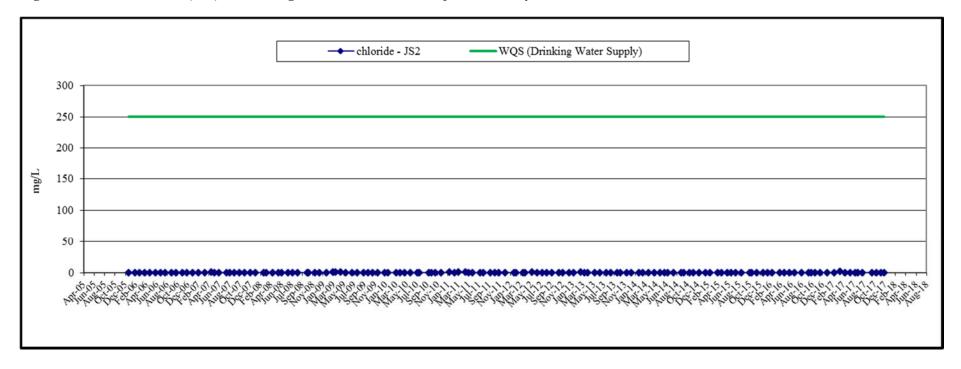


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

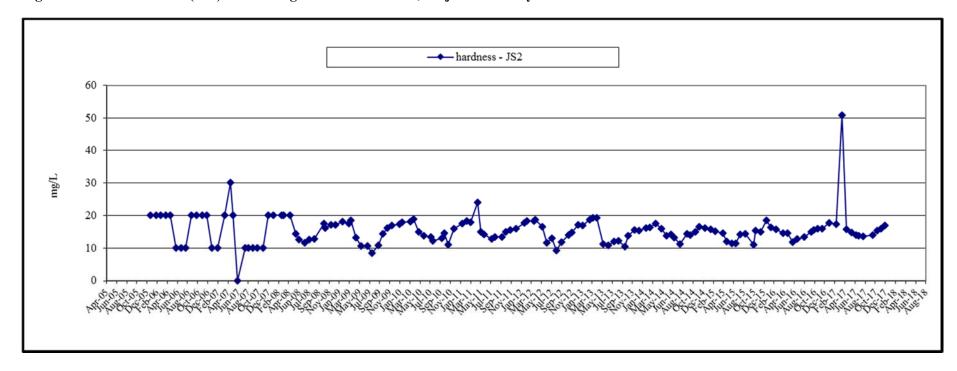


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

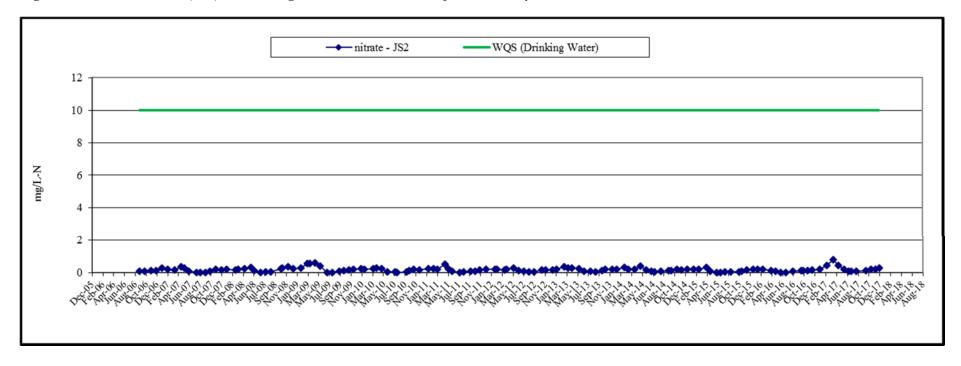


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

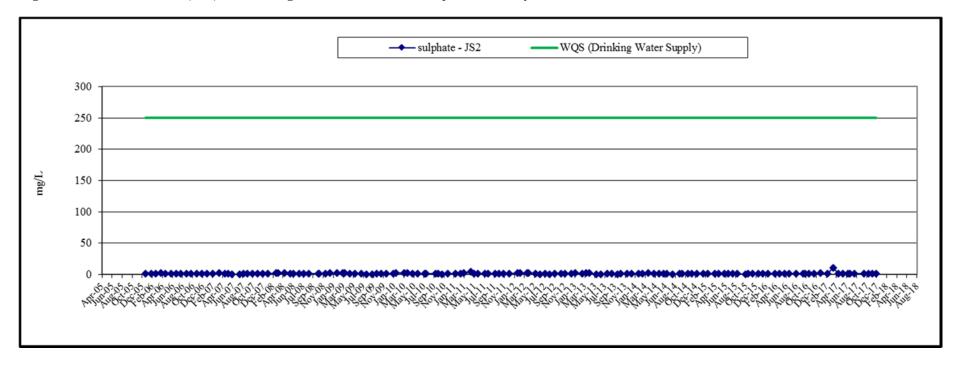


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

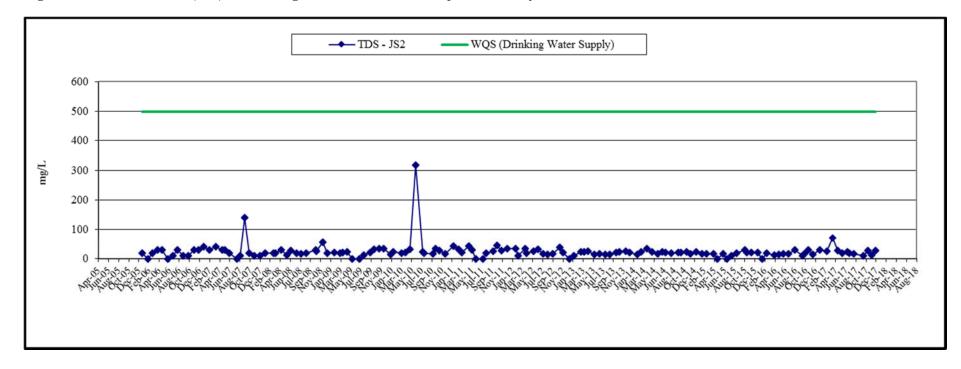


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

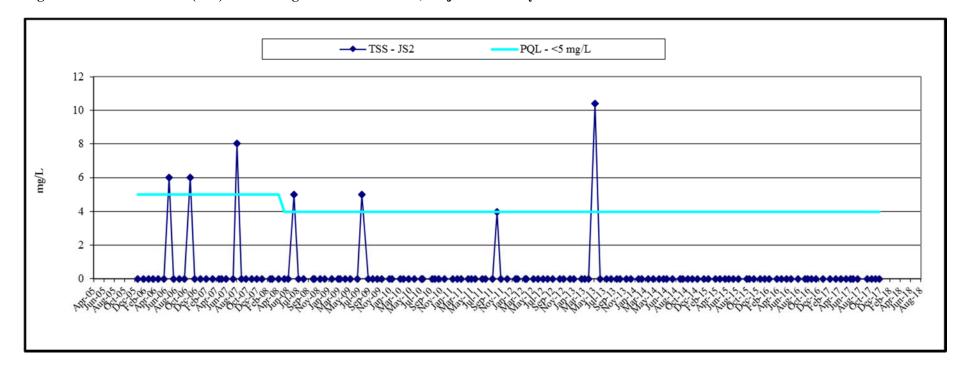


Figure 6b: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

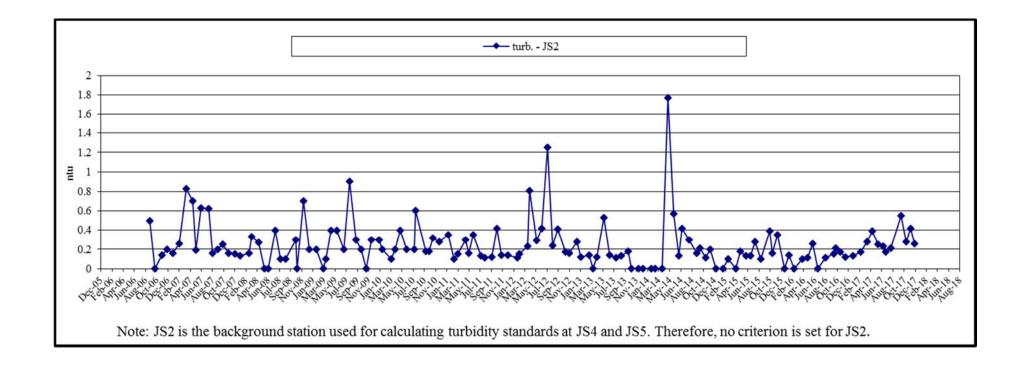


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Major Chemistry

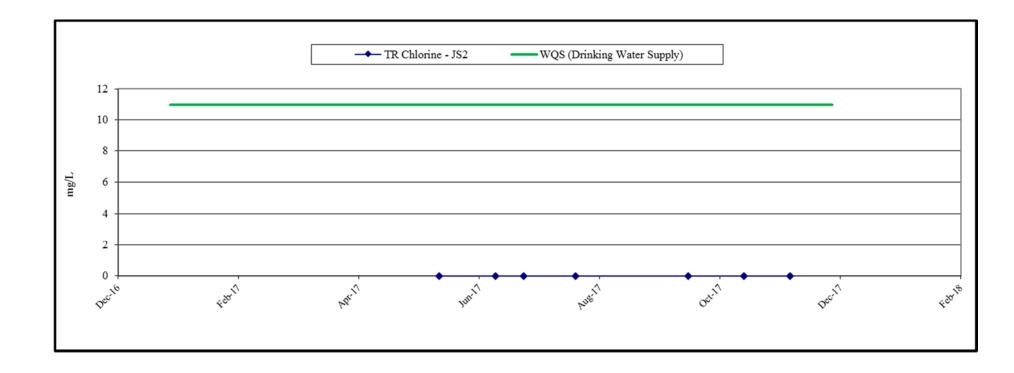


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

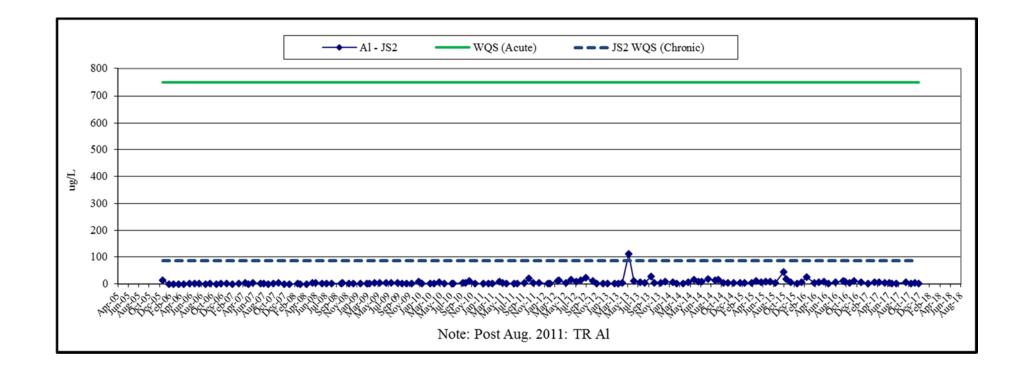


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

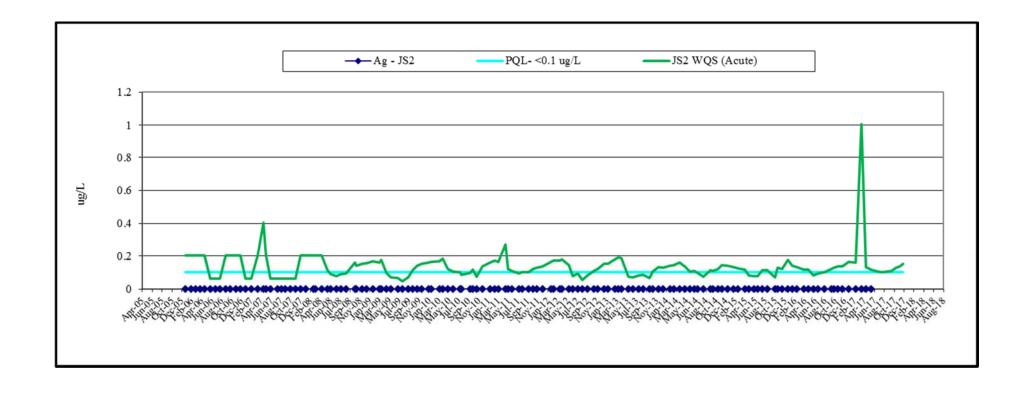


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

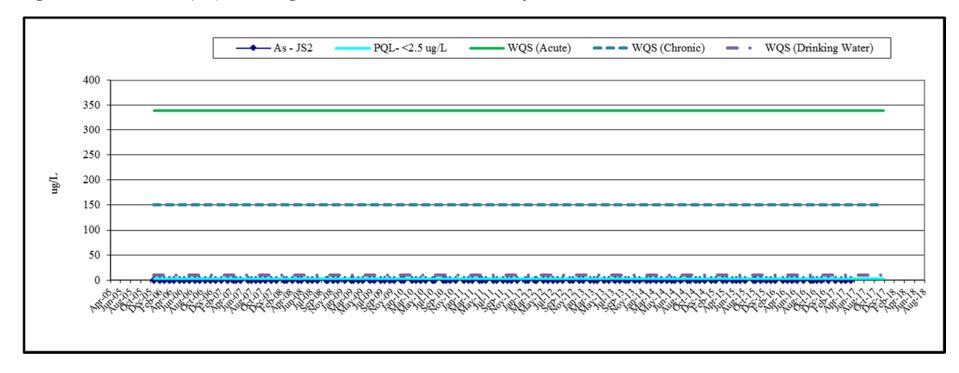


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

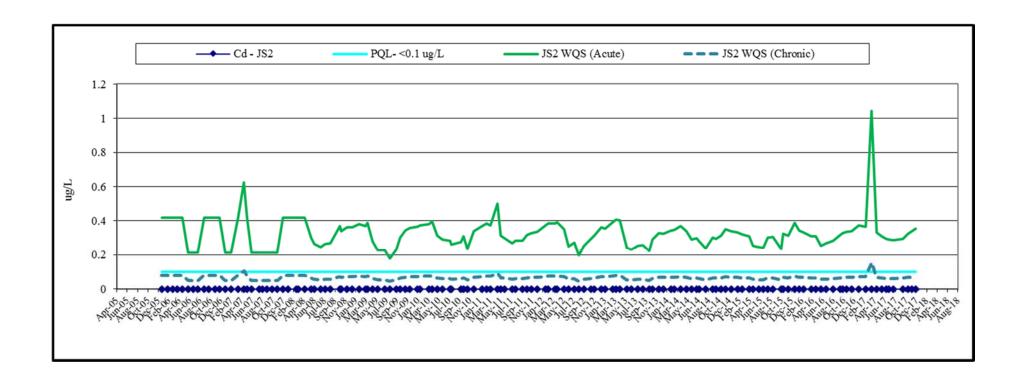


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

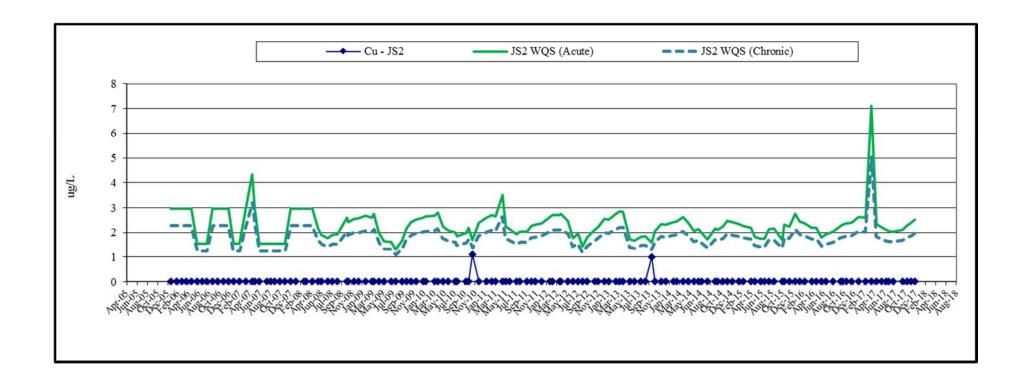


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

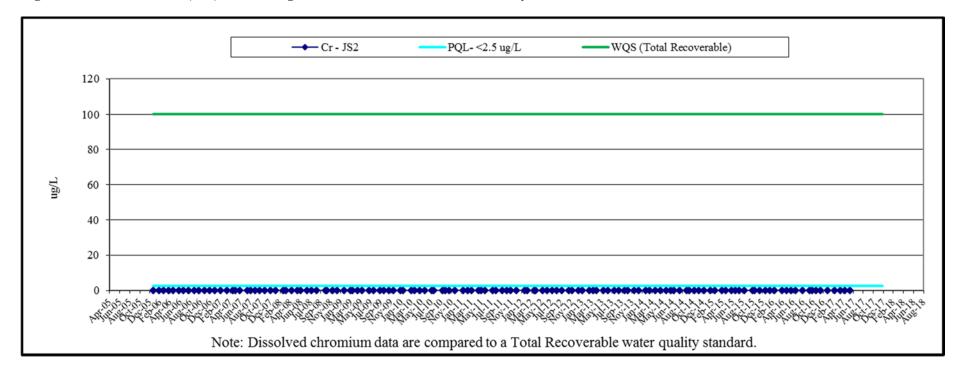


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

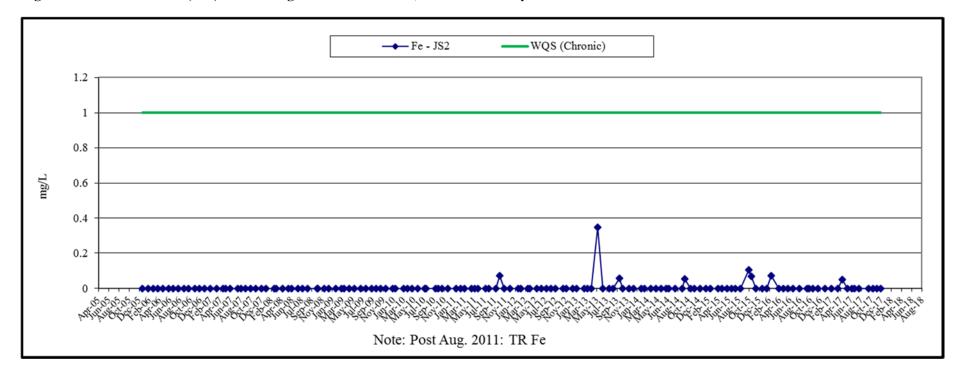


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

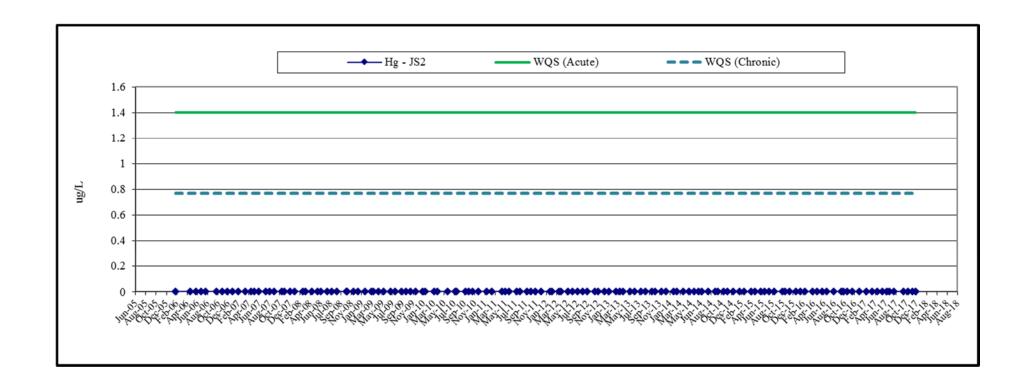


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

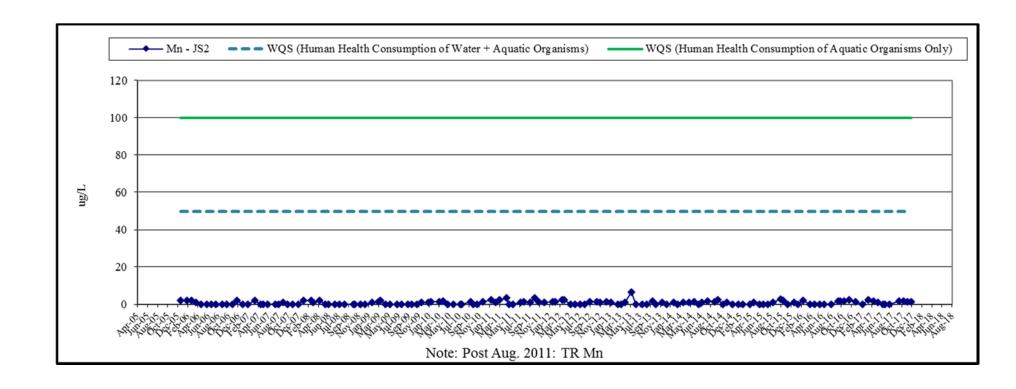


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

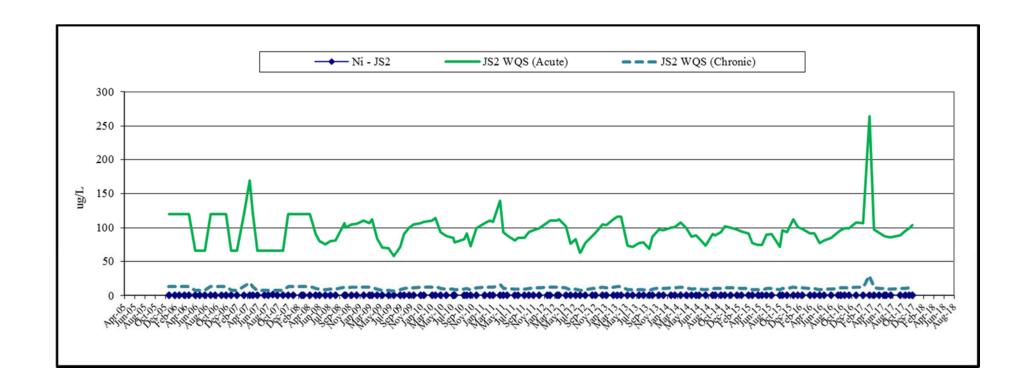


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

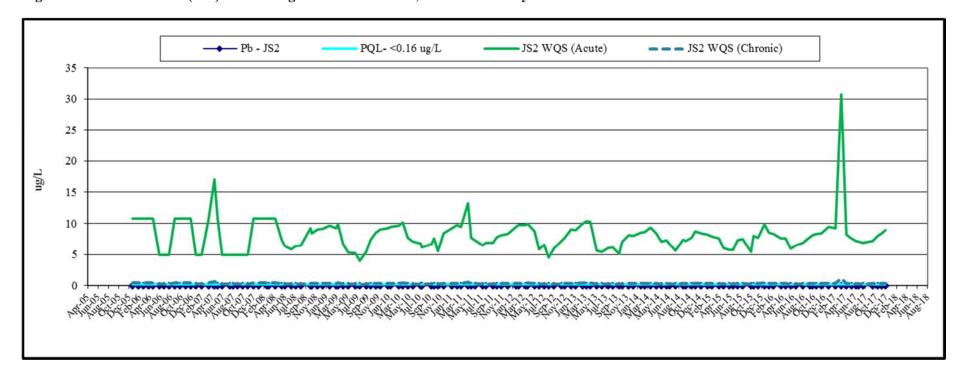


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

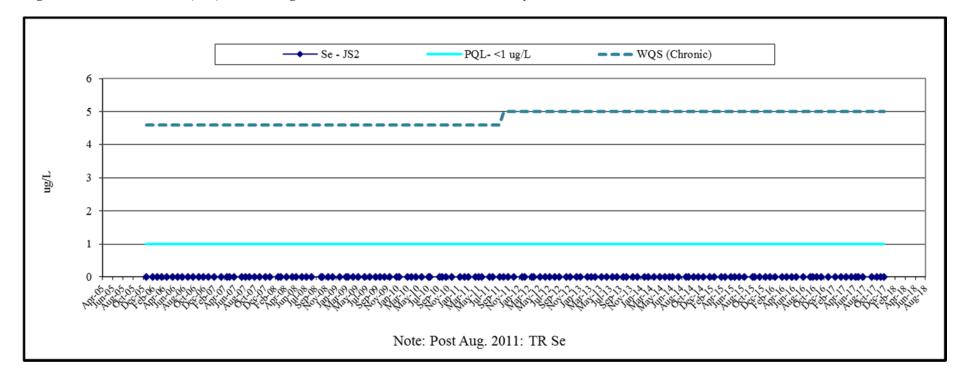


Figure 6c: Johnson Creek (JS2) Monitoring Results 2006 -2017, Trace Chemistry

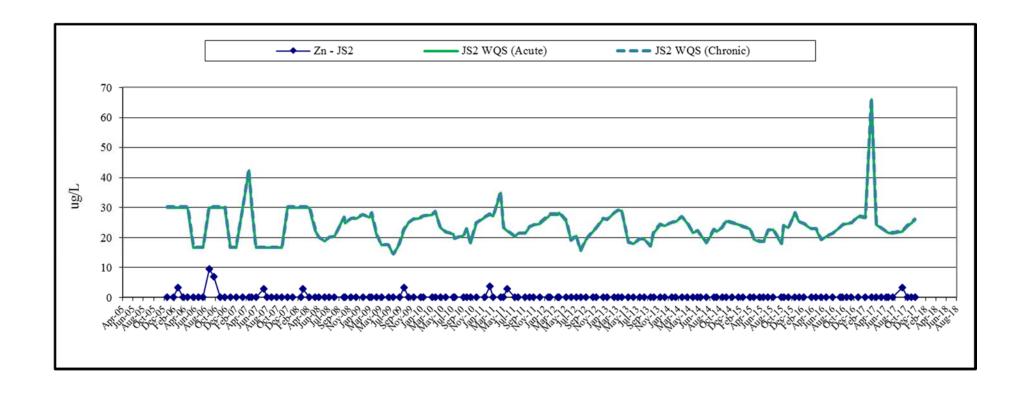


Figure 7a: Johnson Creek (JS4) Monitoring Results 2006-2017, Field Parameters

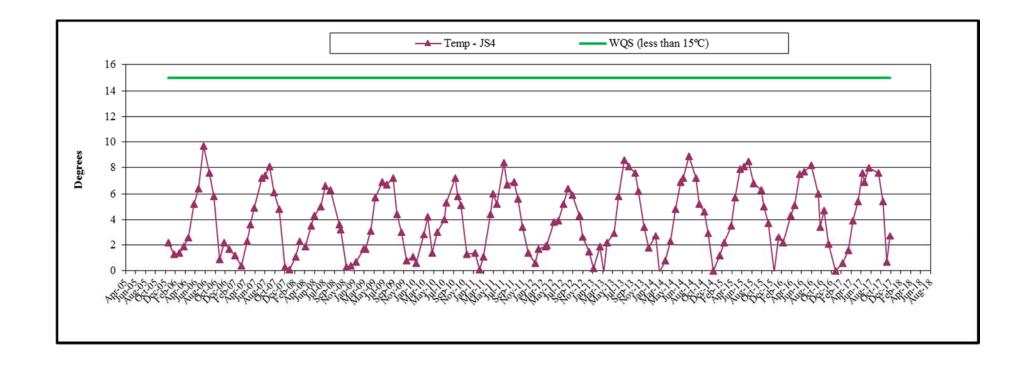


Figure 7a: Johnson Creek (JS4) Monitoring Results 2006-2017, Field Parameters

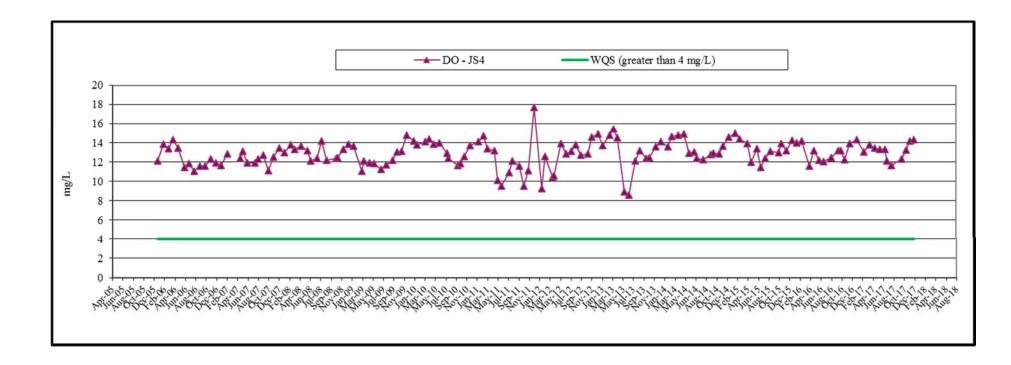


Figure 7a: Johnson Creek (JS4) Monitoring Results 2006-2017, Field Parameters

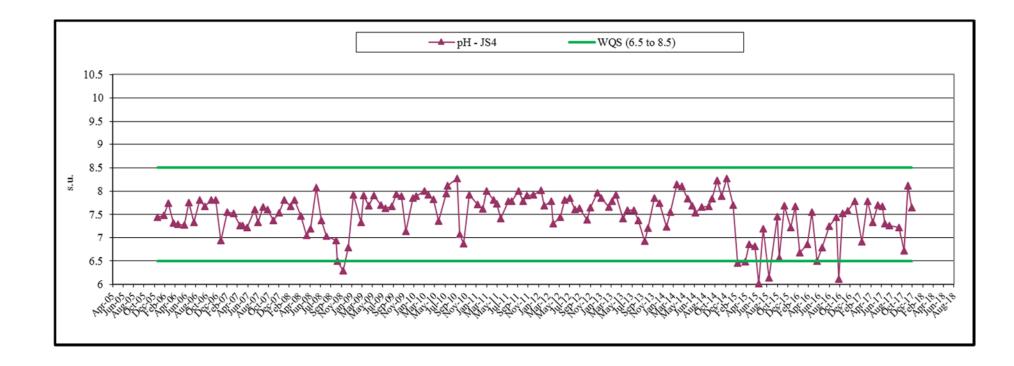


Figure 7a: Johnson Creek (JS4) Monitoring Results 2006-2017, Field Parameters

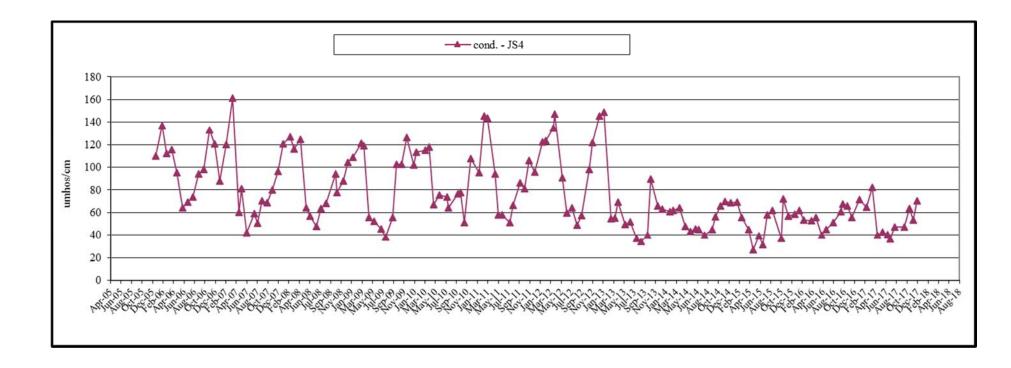


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

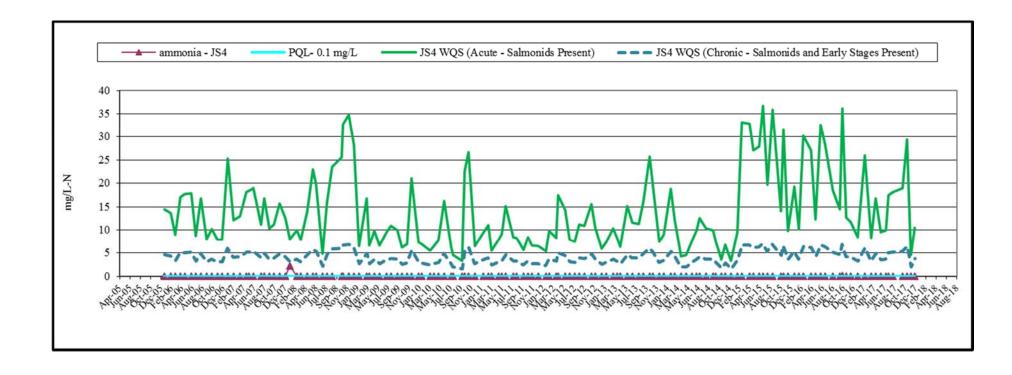


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

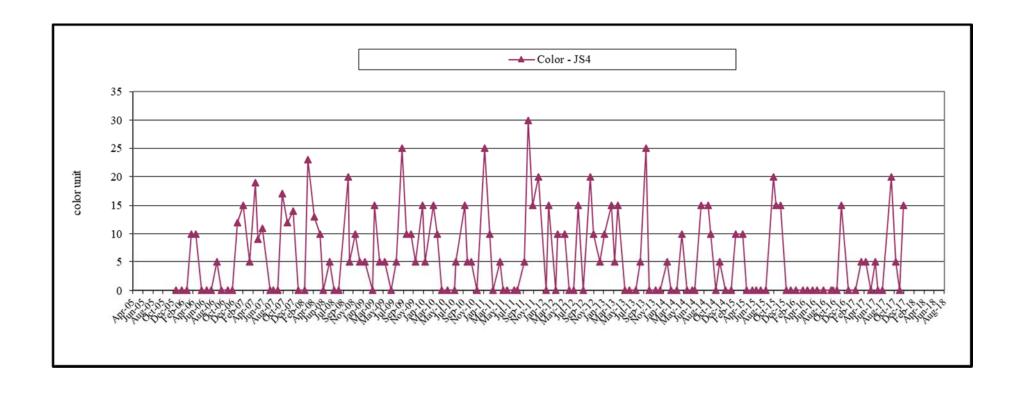


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

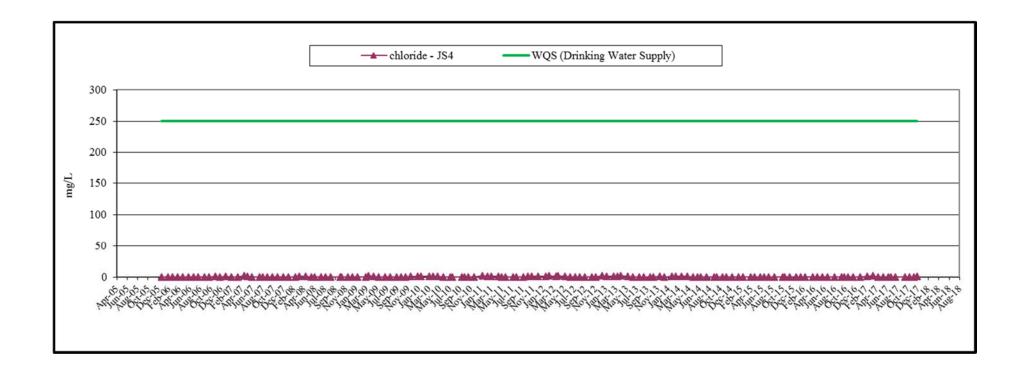


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

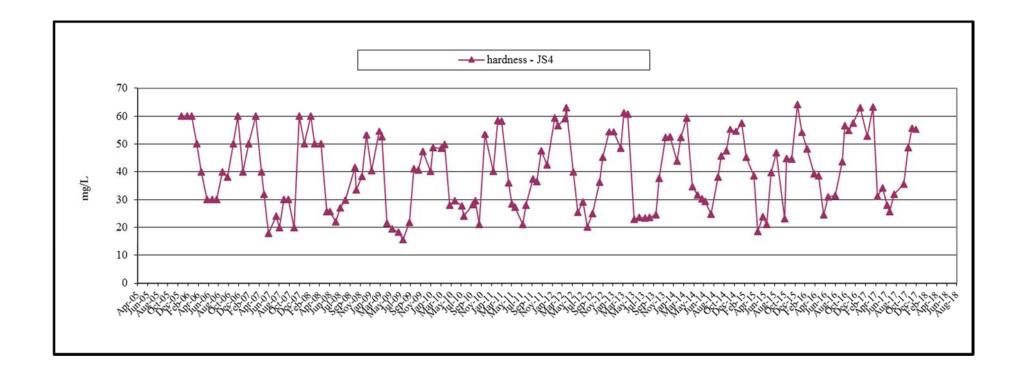


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

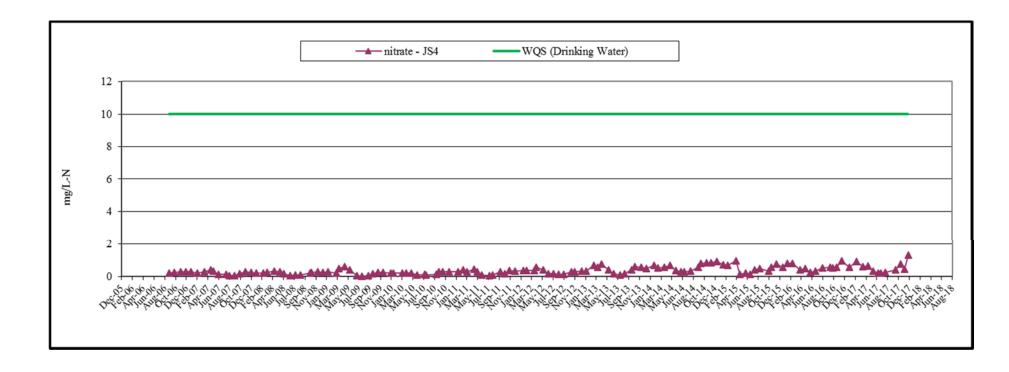


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

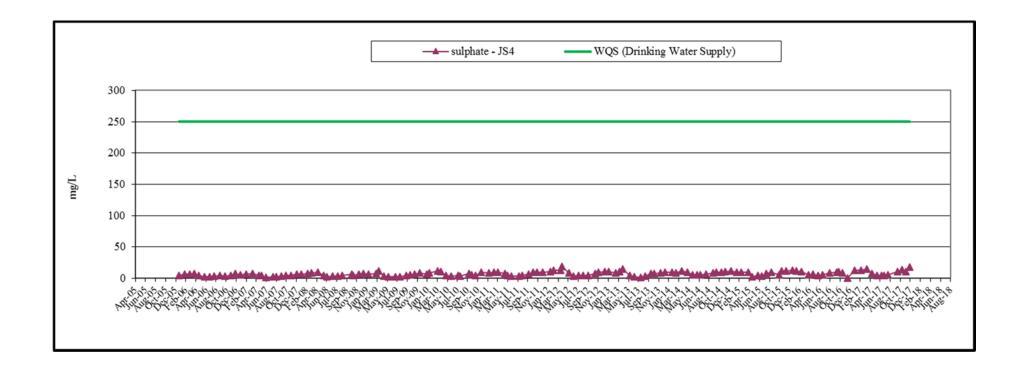


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

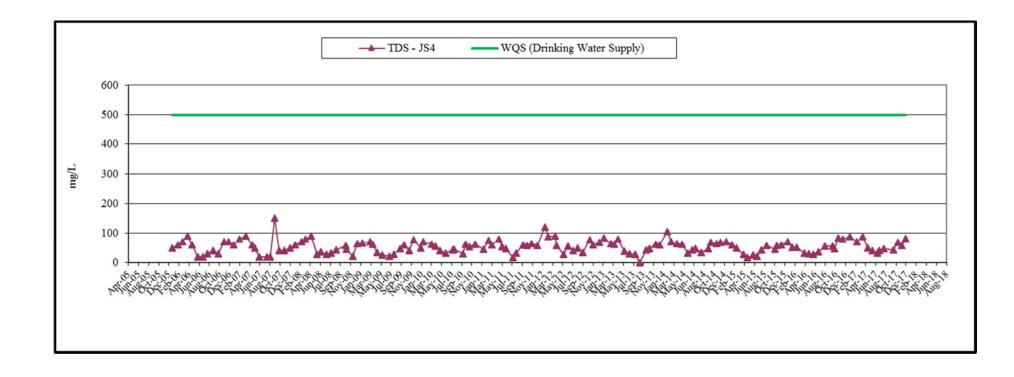


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

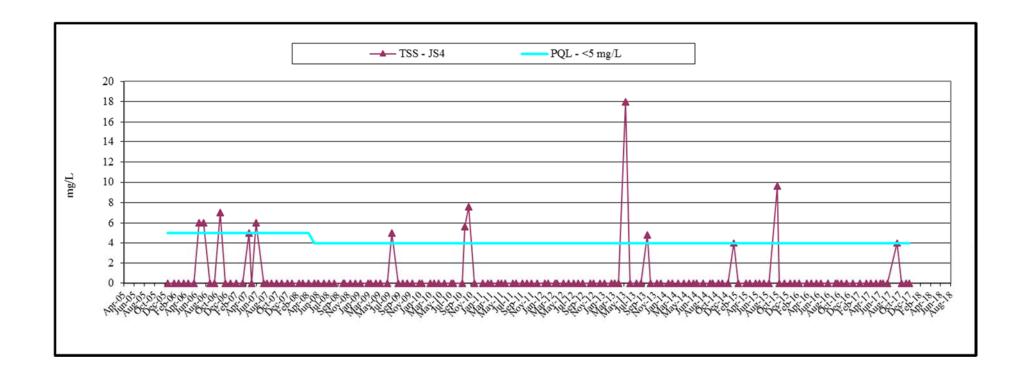


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

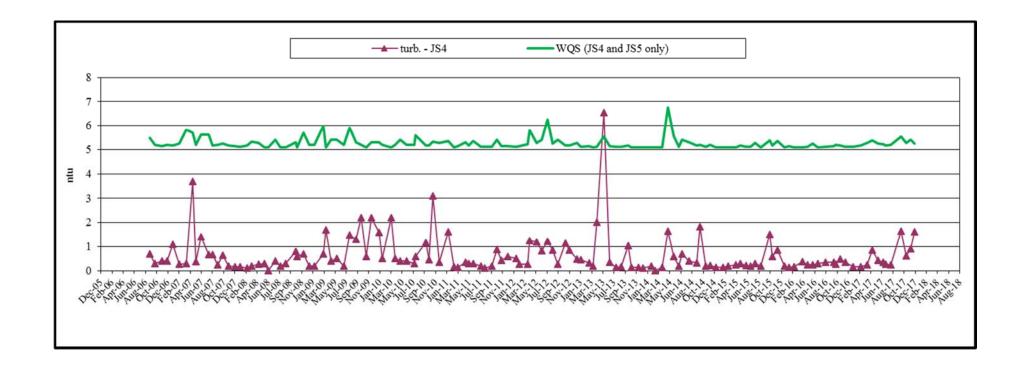


Figure 7b: Johnson Creek (JS4) Monitoring Results 2006-2017, Major Chemistry

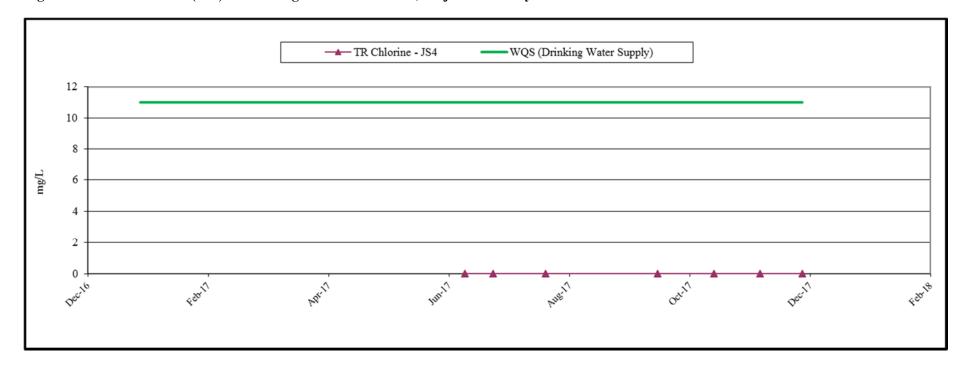


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

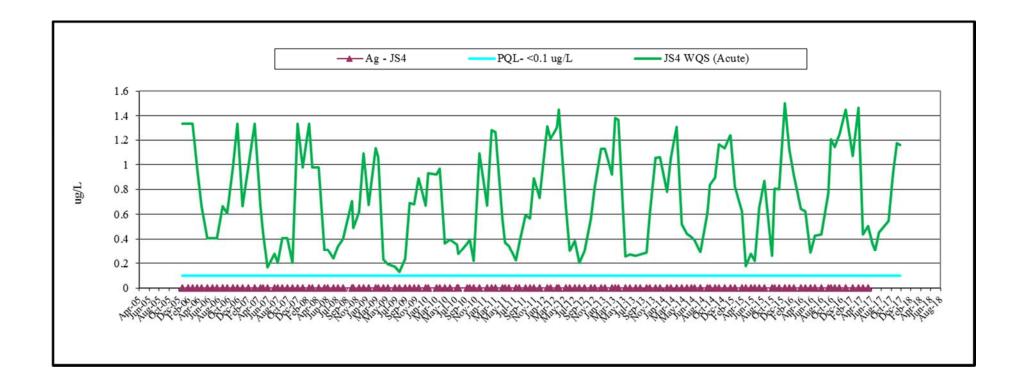


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

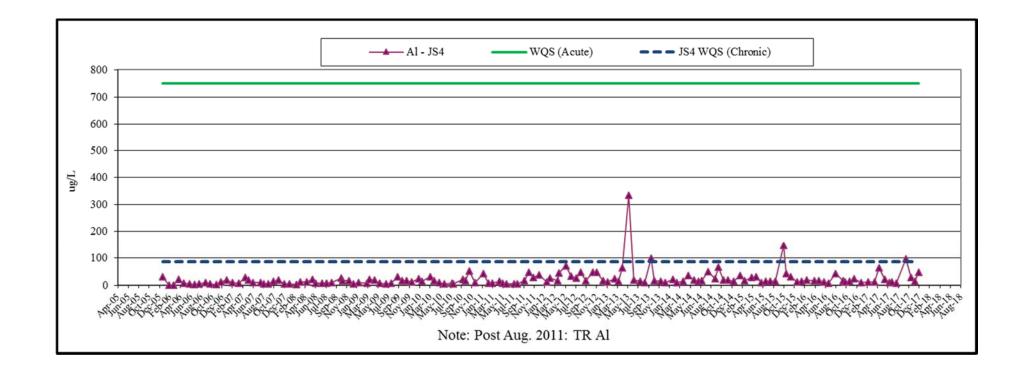


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

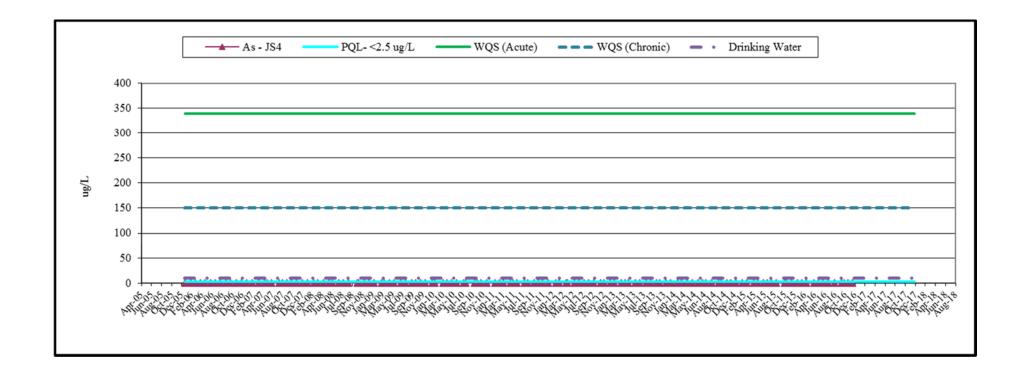


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

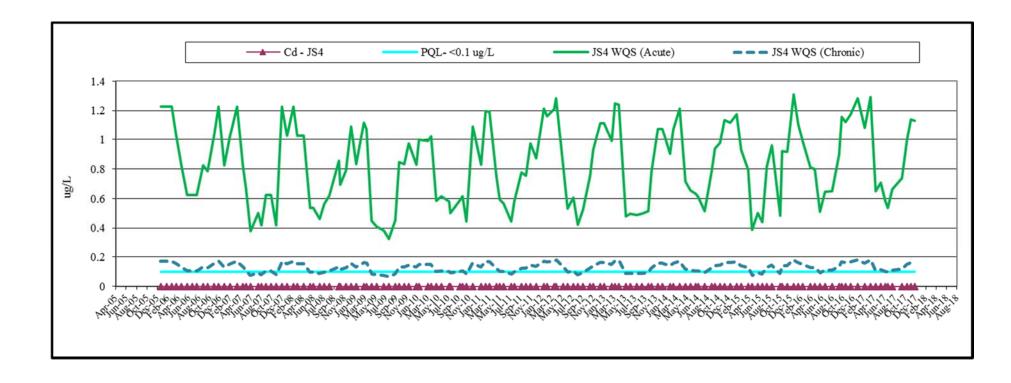


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

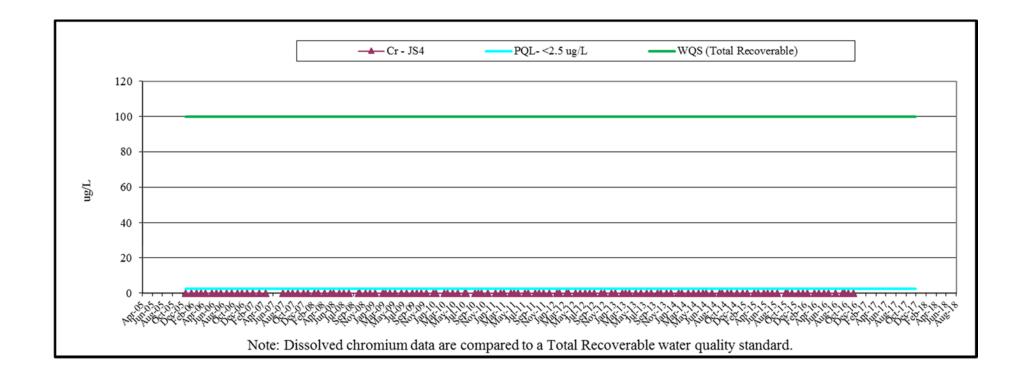


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

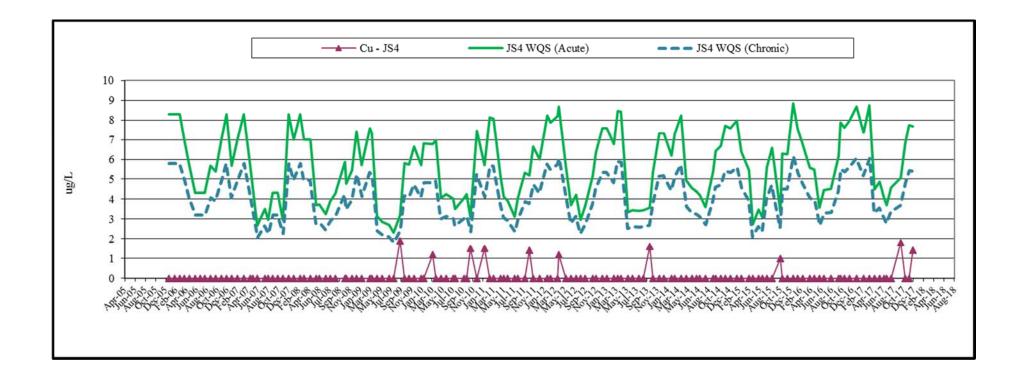


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

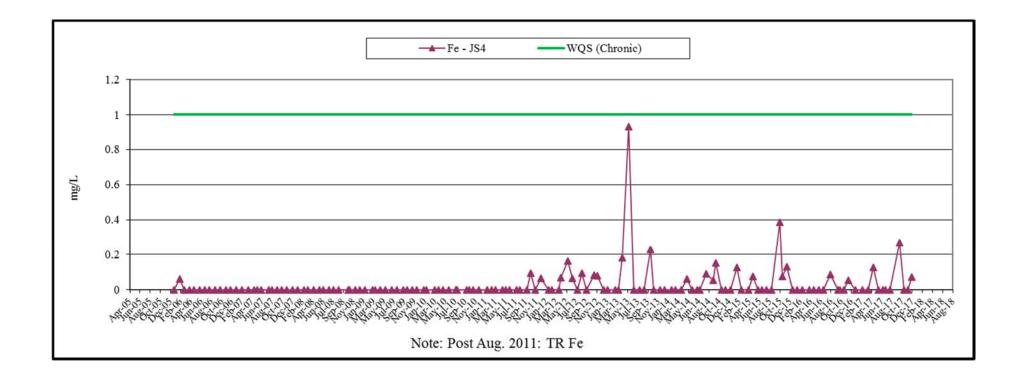


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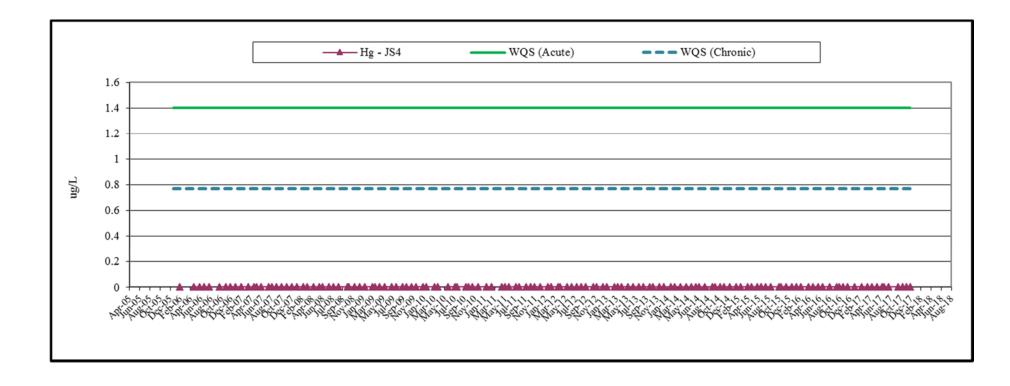


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

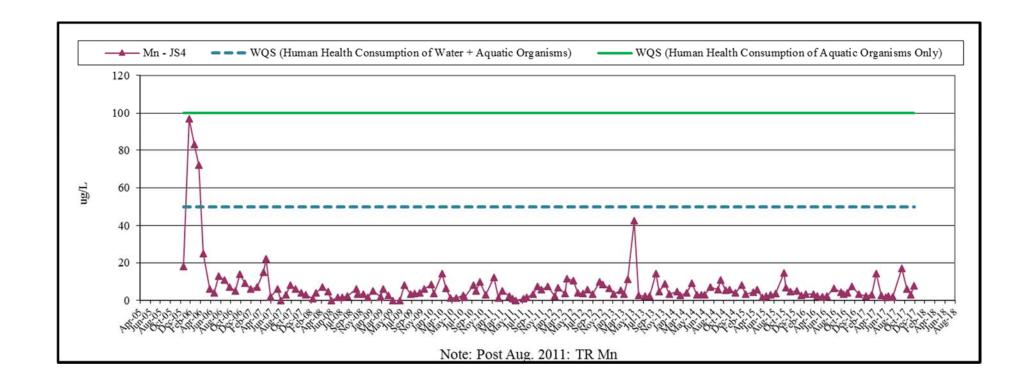


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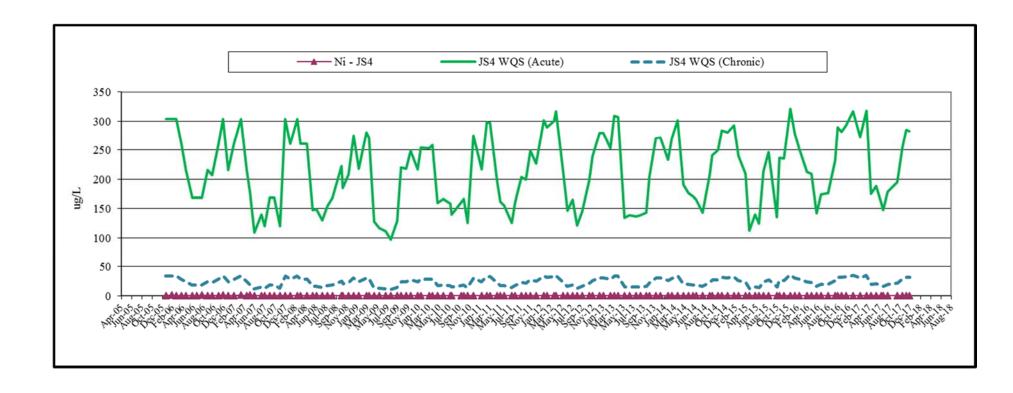


Figure 7c: Johnson Creek (JS4) Monitoring Results 2006-2017, Trace Chemistry

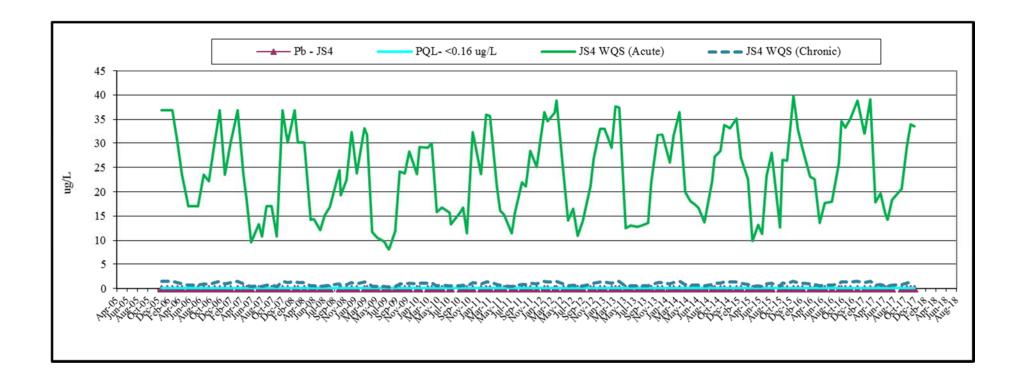


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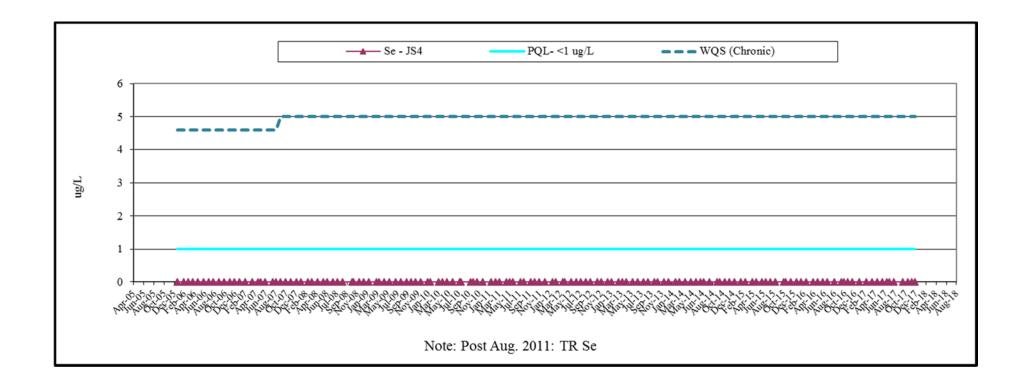


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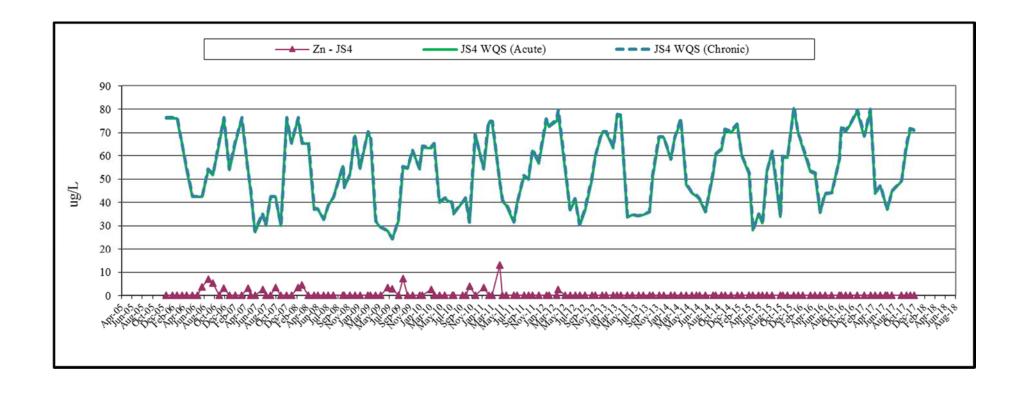


Figure 8a, Johnson Creek (JS5) Monitoring Results 2006-2017, Field Parameters

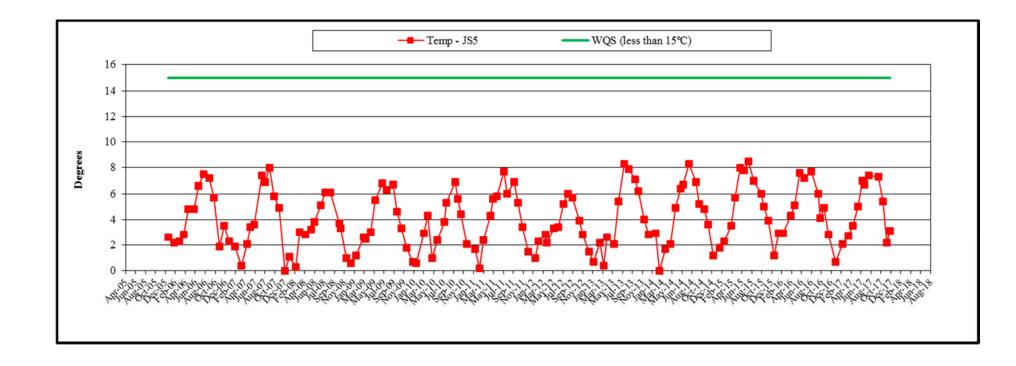


Figure 8a, Johnson Creek (JS5) Monitoring Results 2006-2017, Field Parameters

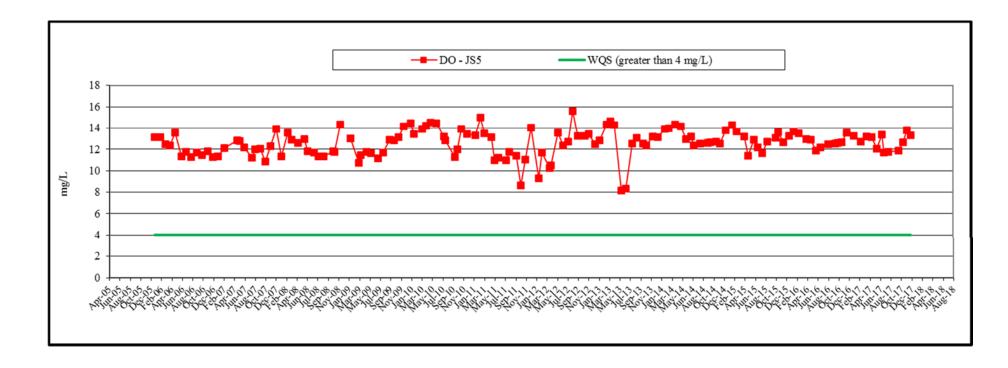


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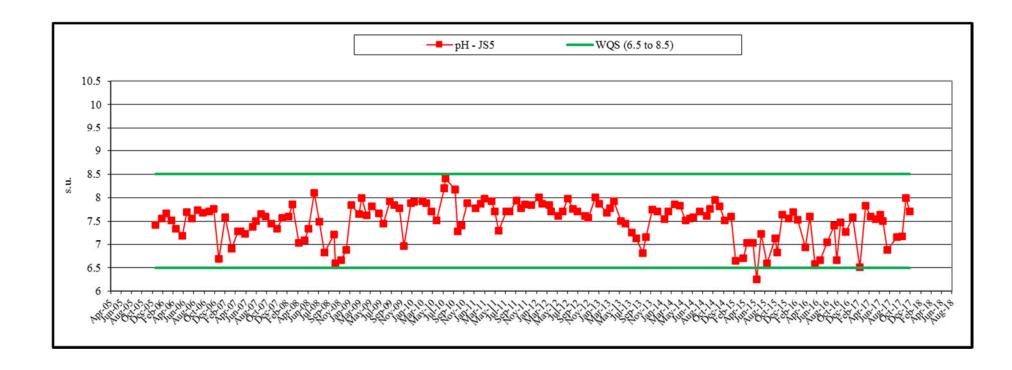


Figure 8a, Johnson Creek (JS5) Monitoring Results 2006-2017, Field Parameters

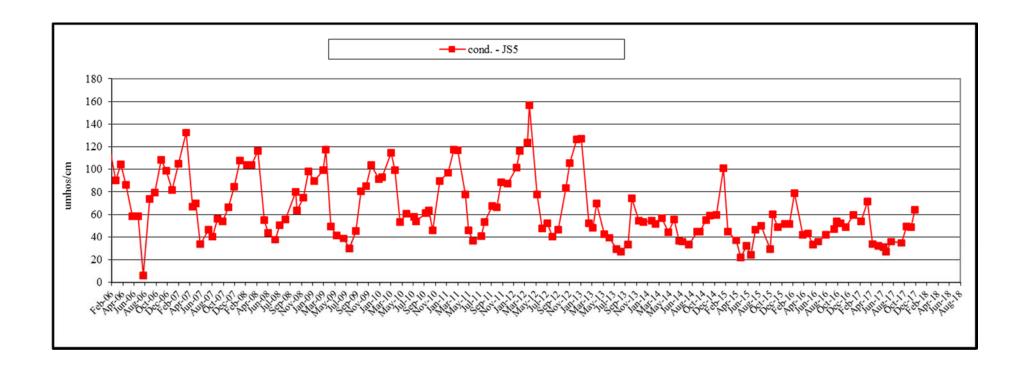


Figure 8b, Johnson Creek (JS5) Monitoring Results 2006-2017, Major Chemistry

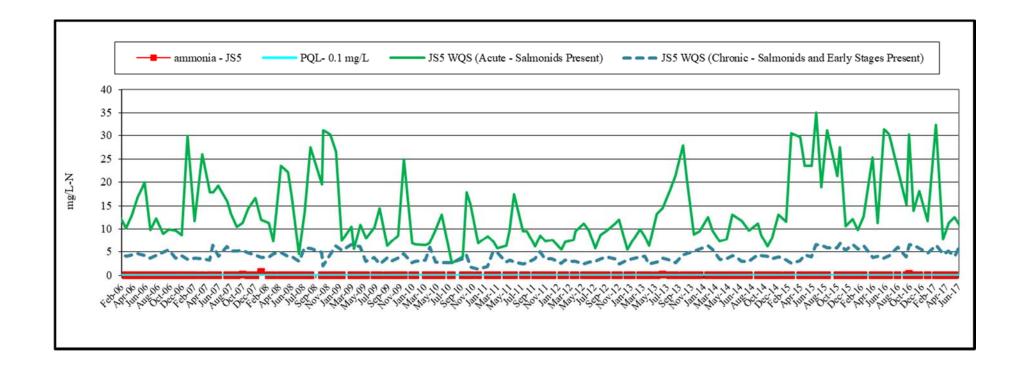


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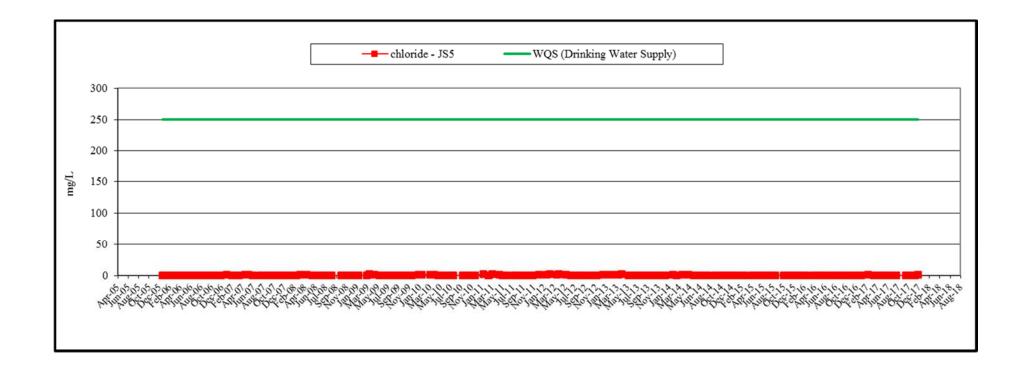


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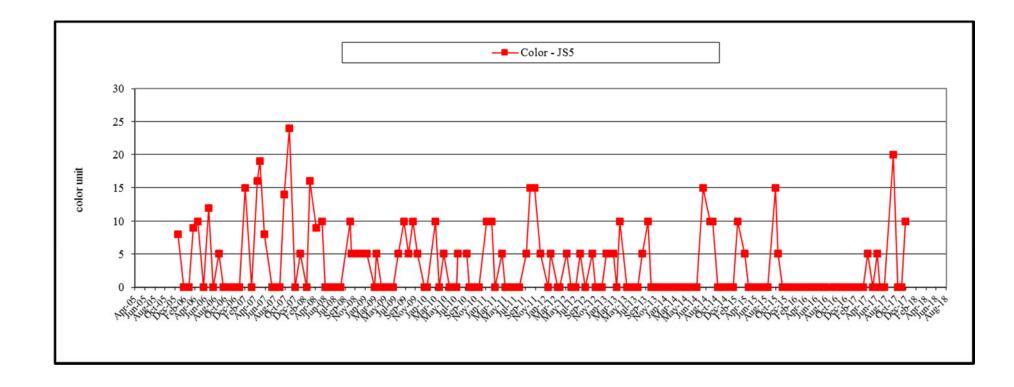


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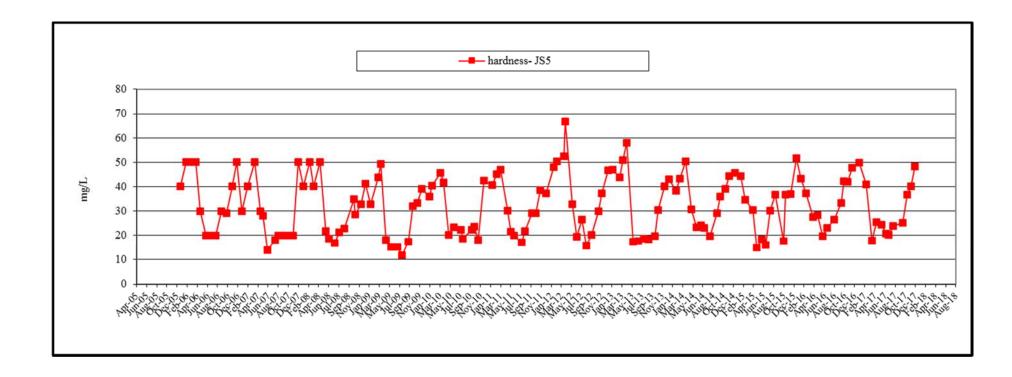


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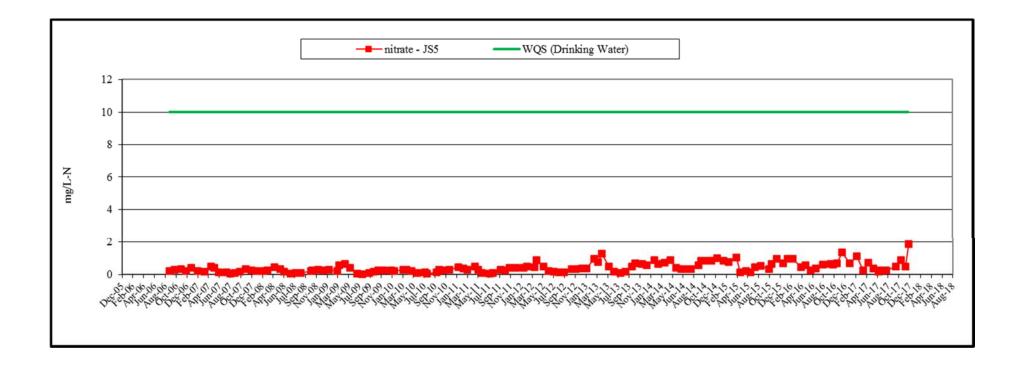


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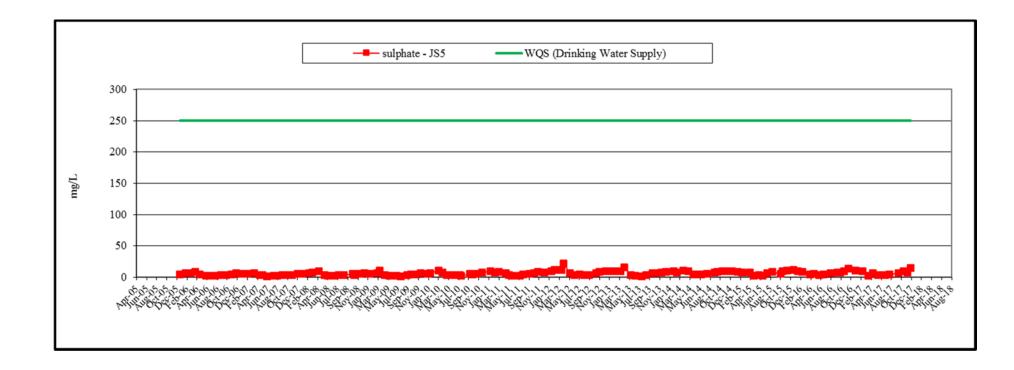


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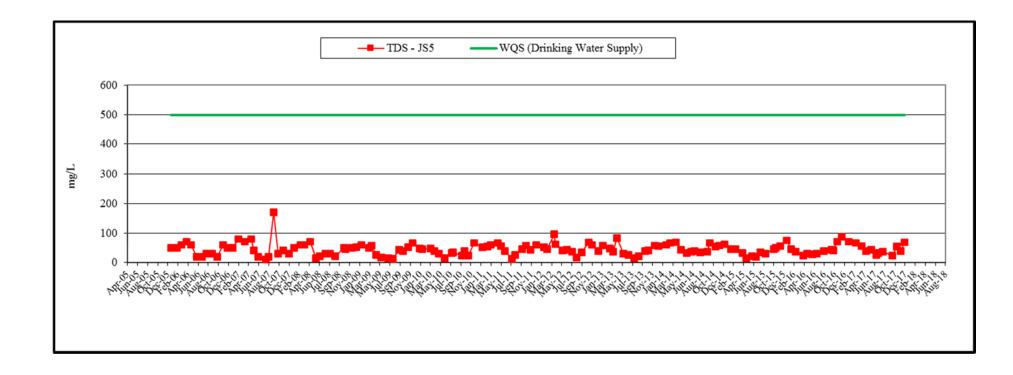


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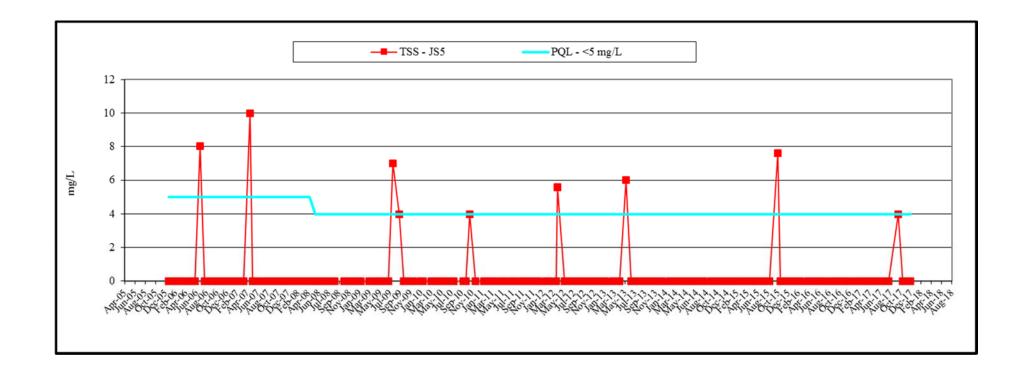


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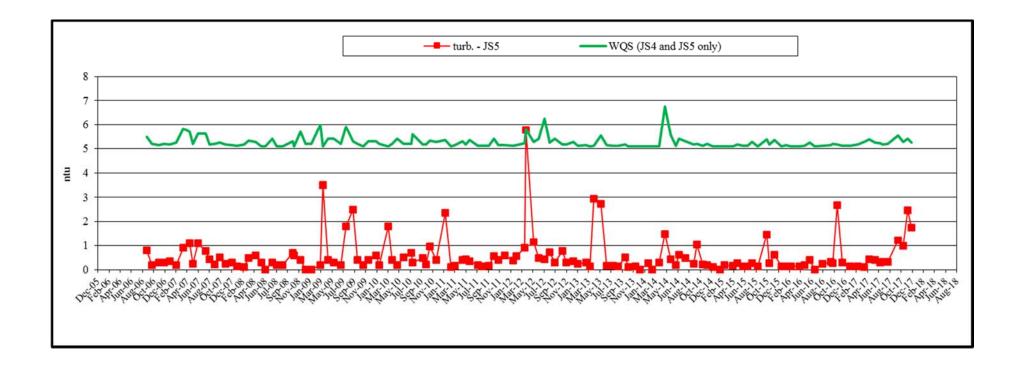


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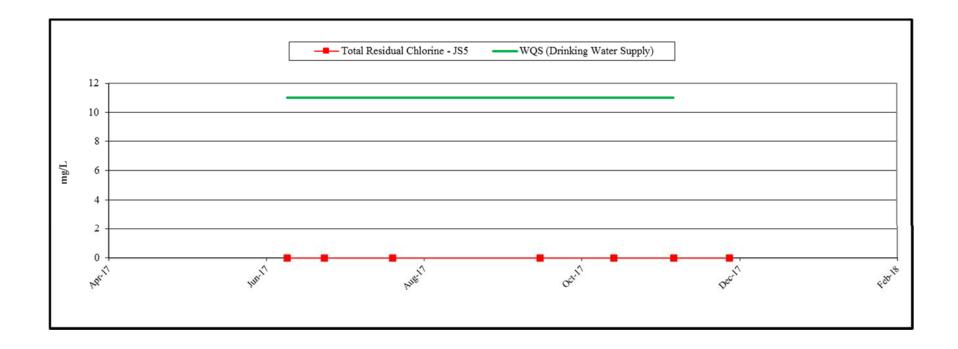


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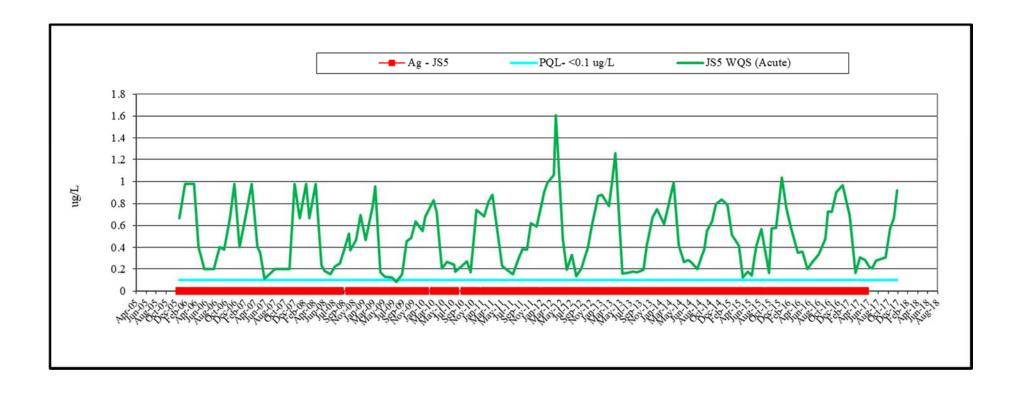


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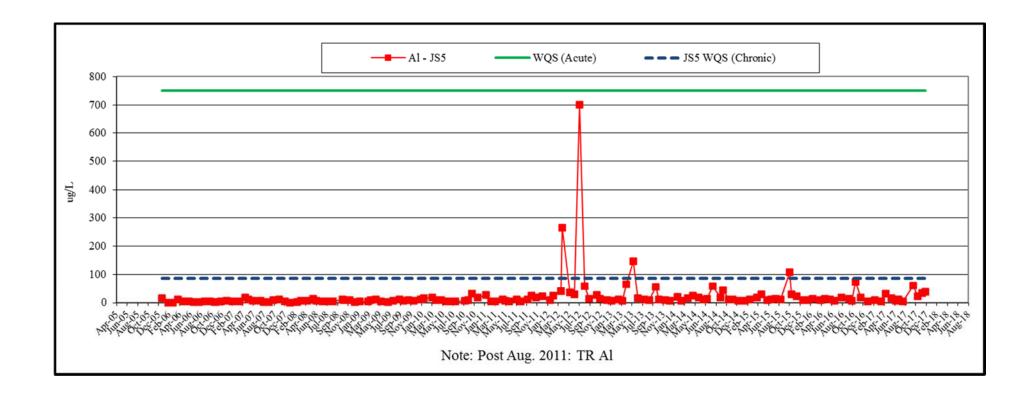


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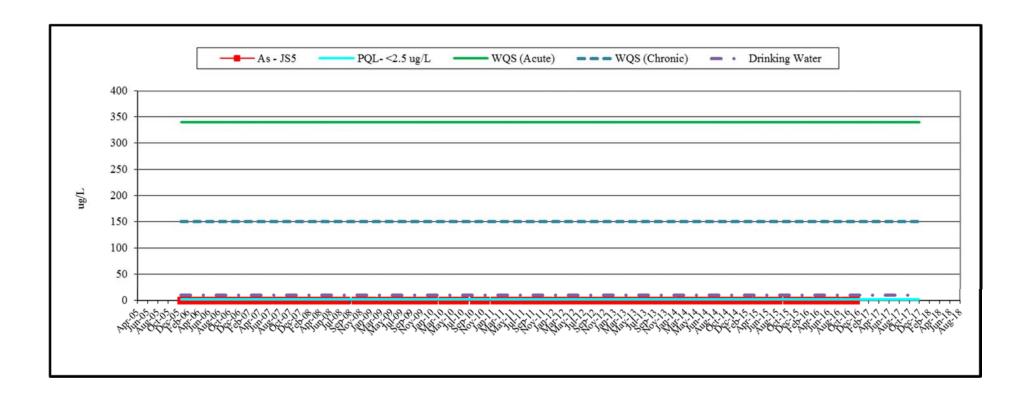


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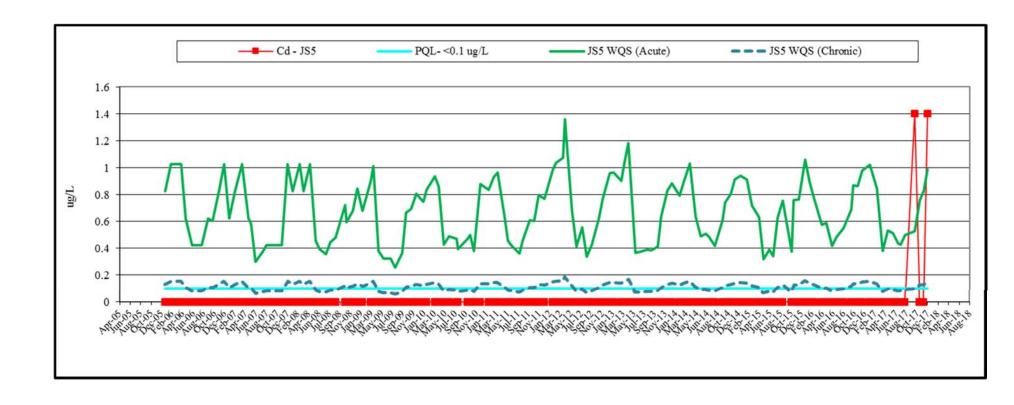


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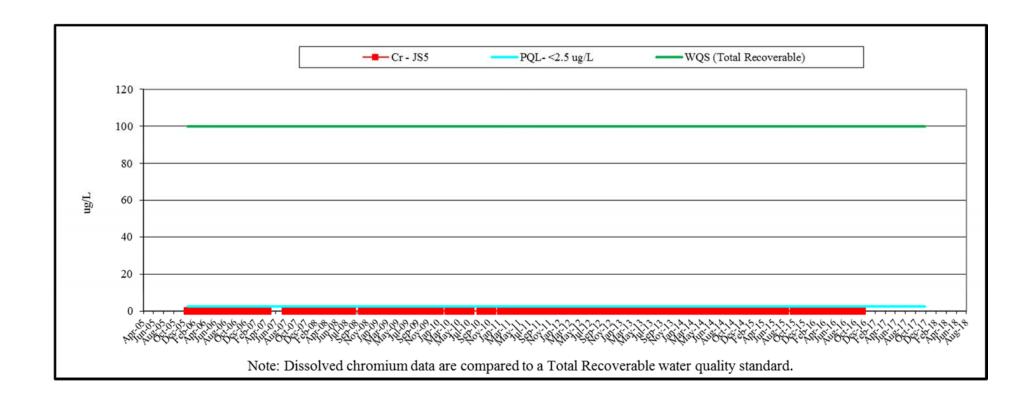


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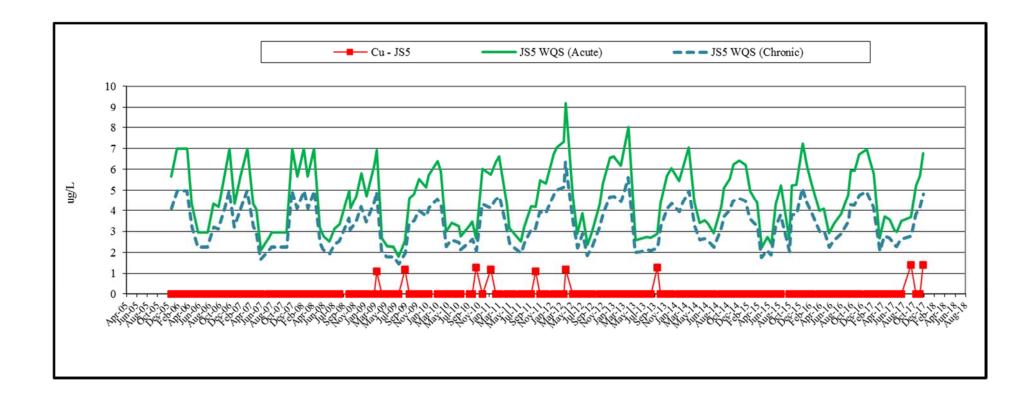


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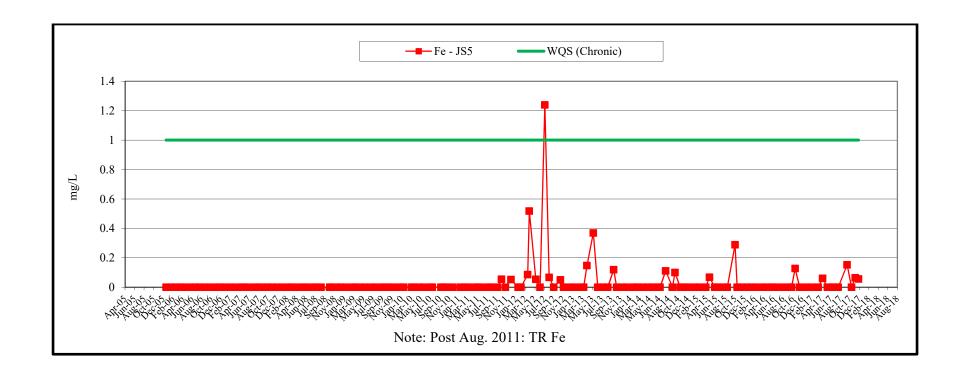


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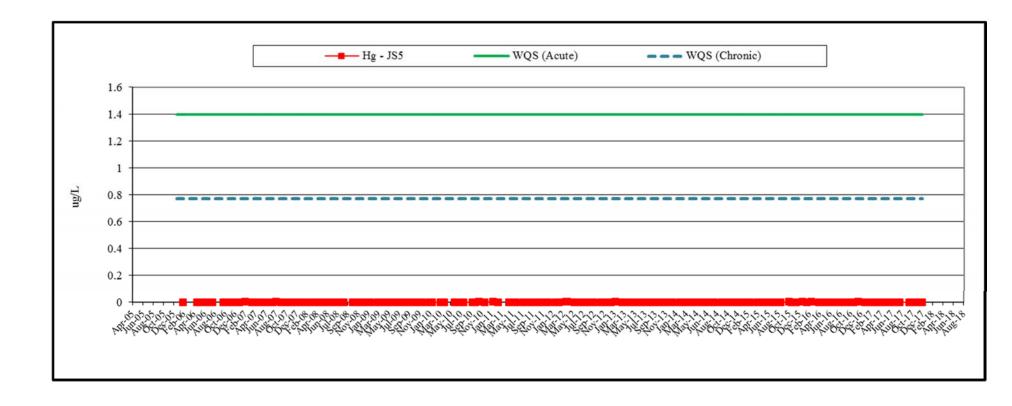


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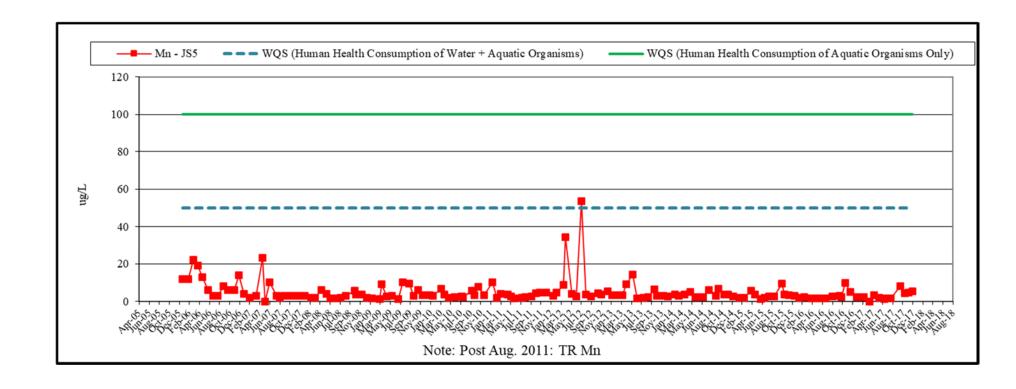


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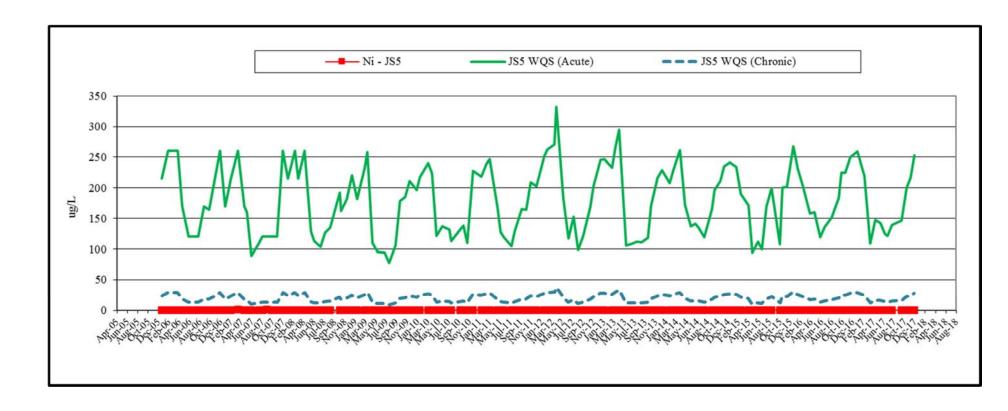


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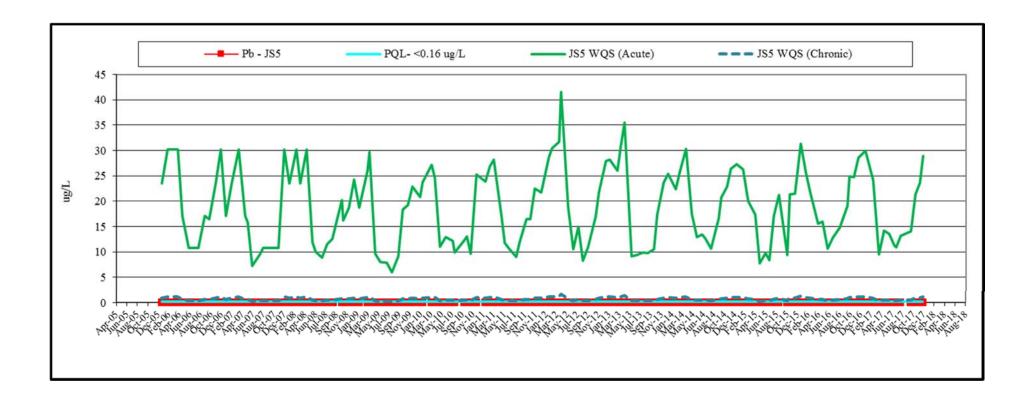


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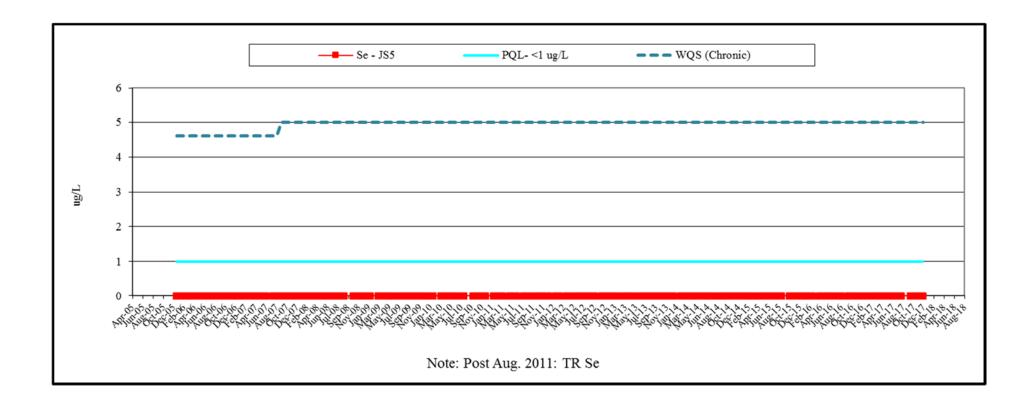


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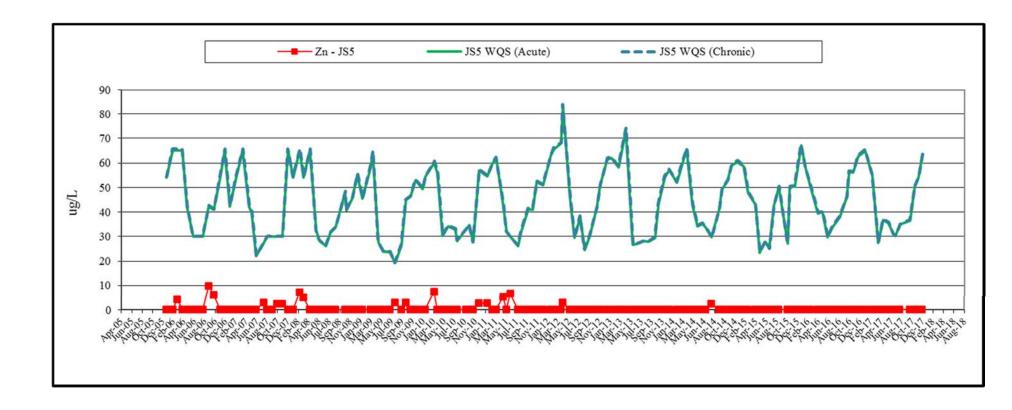


Figure 9a: Slate Creek (MLA) Monitoring Results 2006-2017, Field Parameters

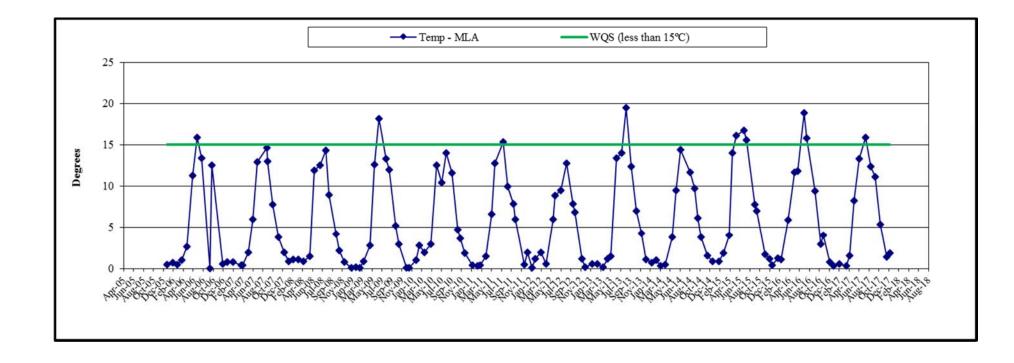


Figure 9a: Slate Creek (MLA) Monitoring Results 2006-2017, Field Parameters

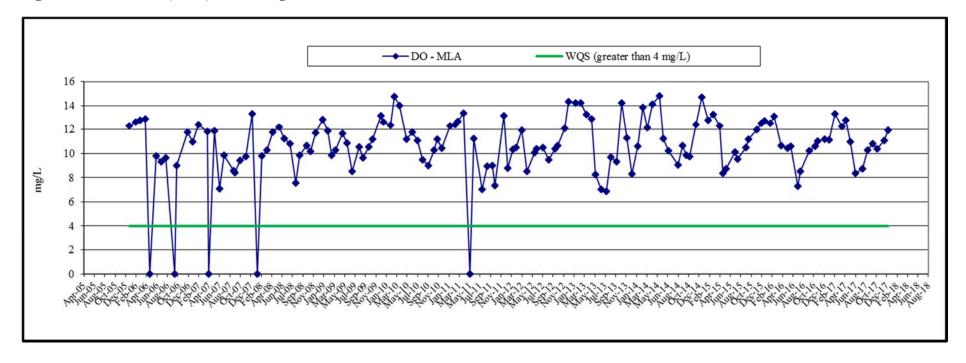


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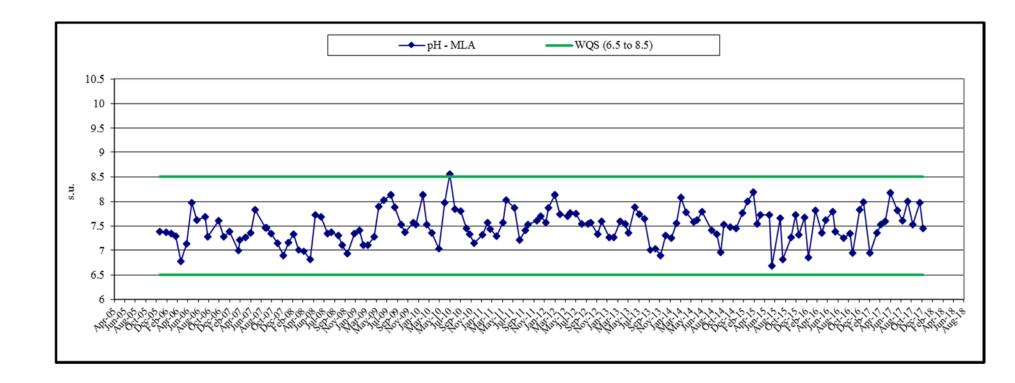


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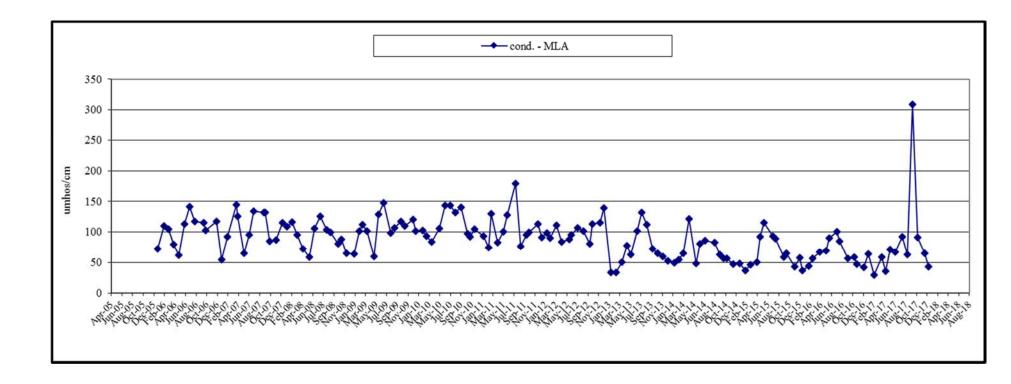


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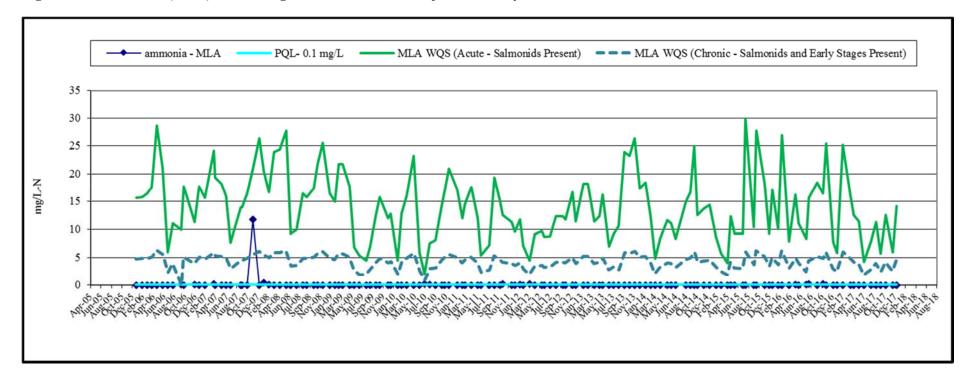


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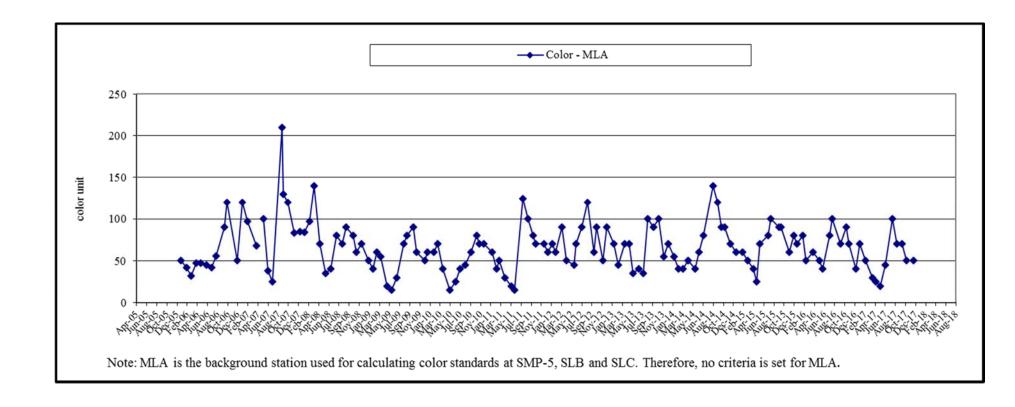


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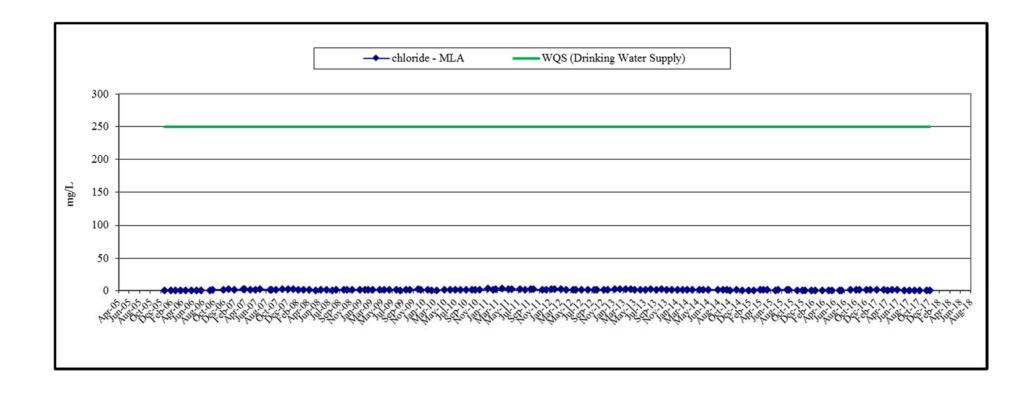


Figure 9b: Slate Creek (MLA) Monitoring Results 2006-2017, Major Chemistry

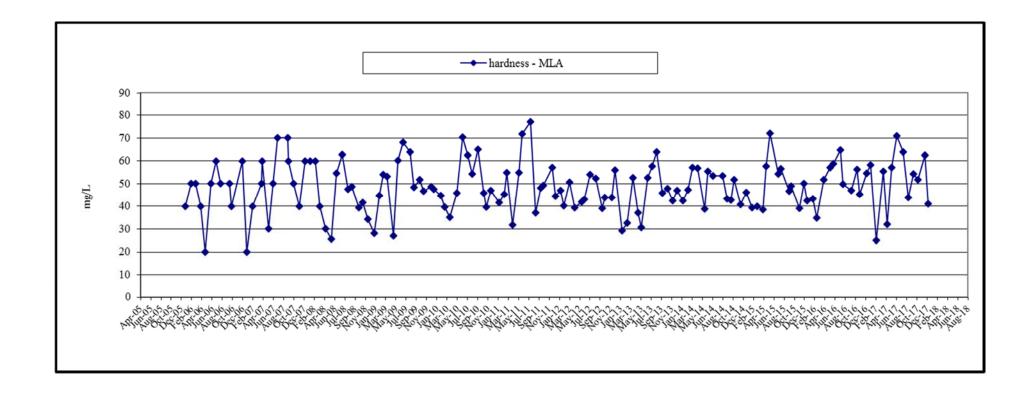


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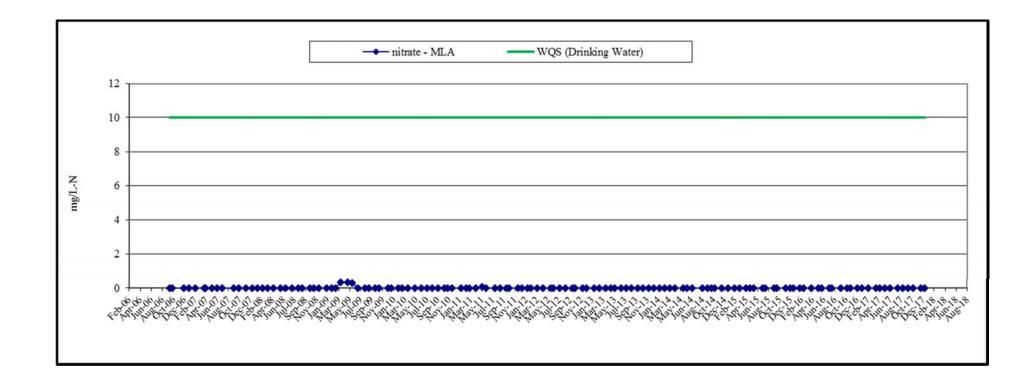


Figure 9b: Slate Creek (MLA) Monitoring Results 2006-2017, Major Chemistry

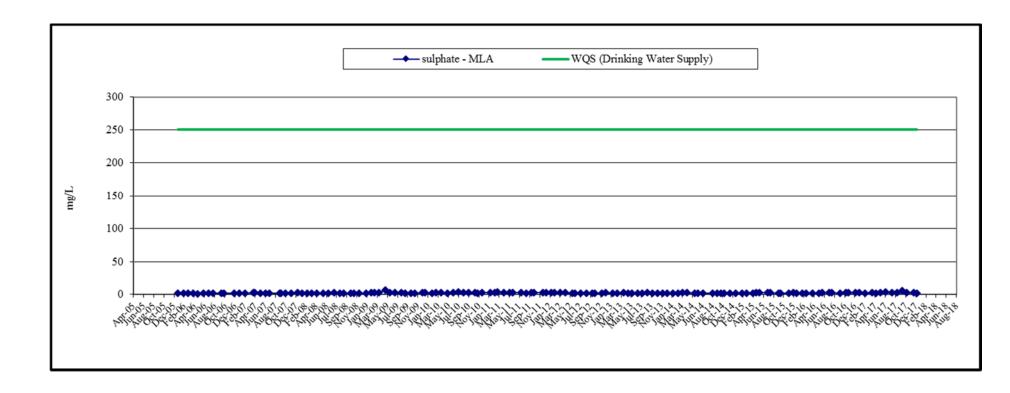


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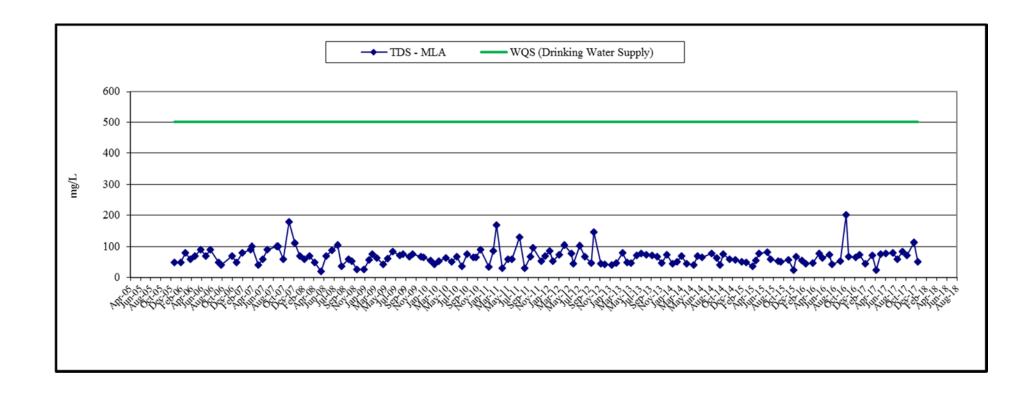


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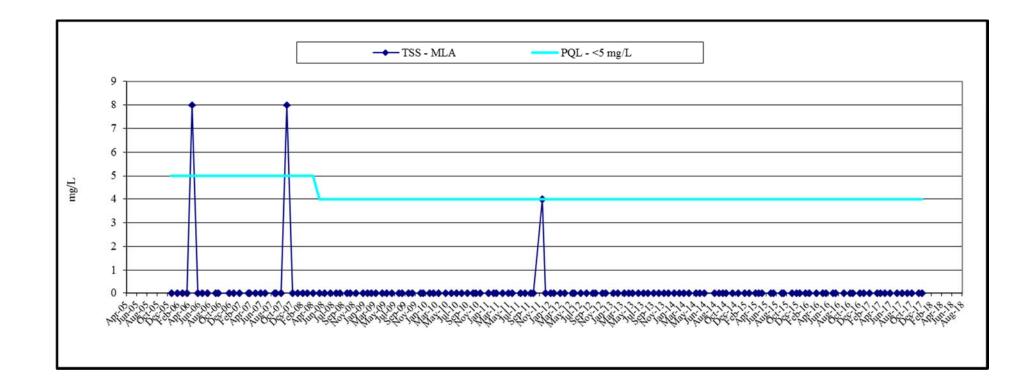


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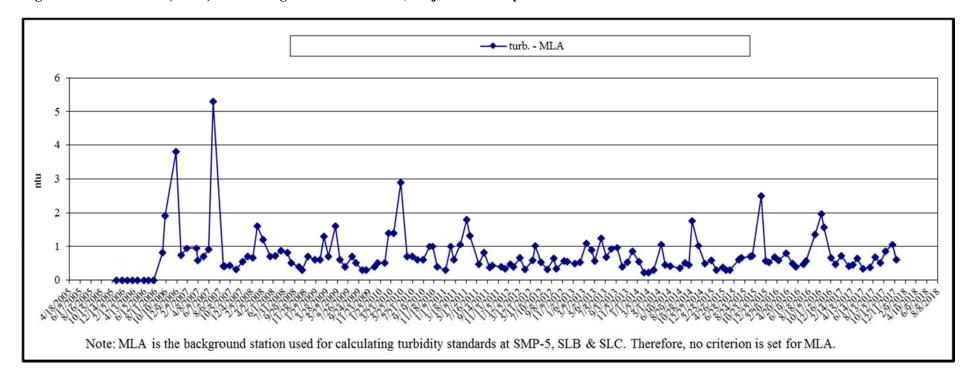


Figure 9b: Slate Creek (MLA) Monitoring Results 2006-2017, Major Chemistry

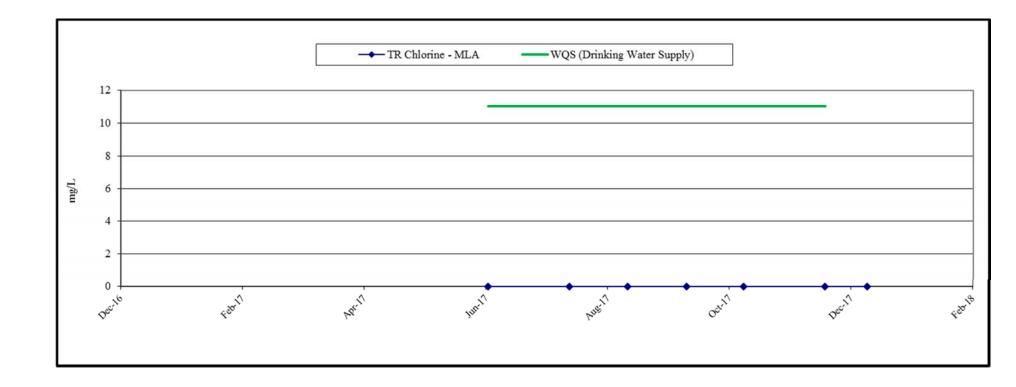


Figure 9c: Slate Creek (MLA) Monitoring Results 2006-2017, Trace Chemistry

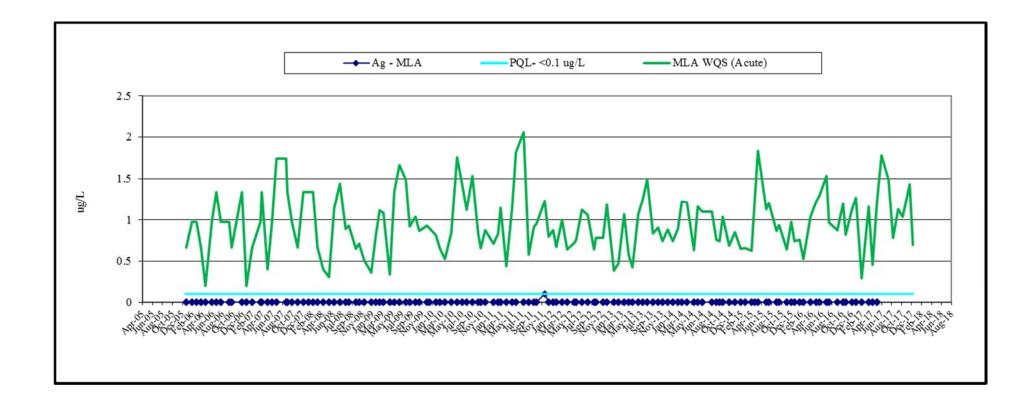


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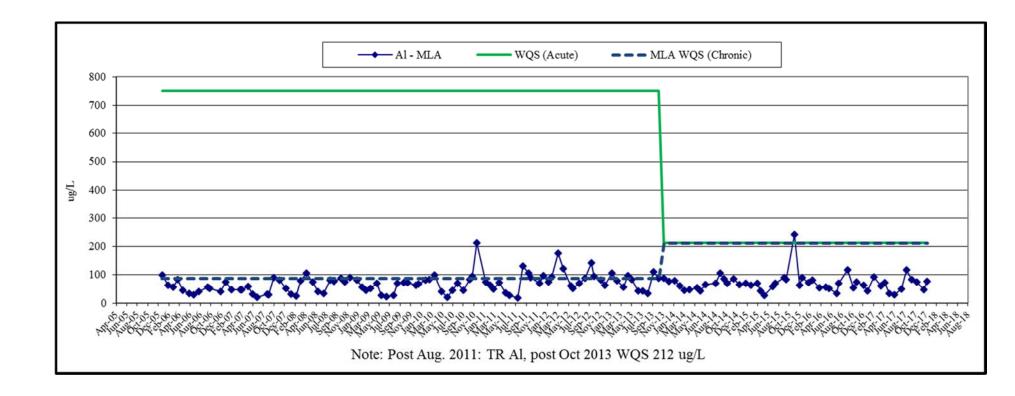


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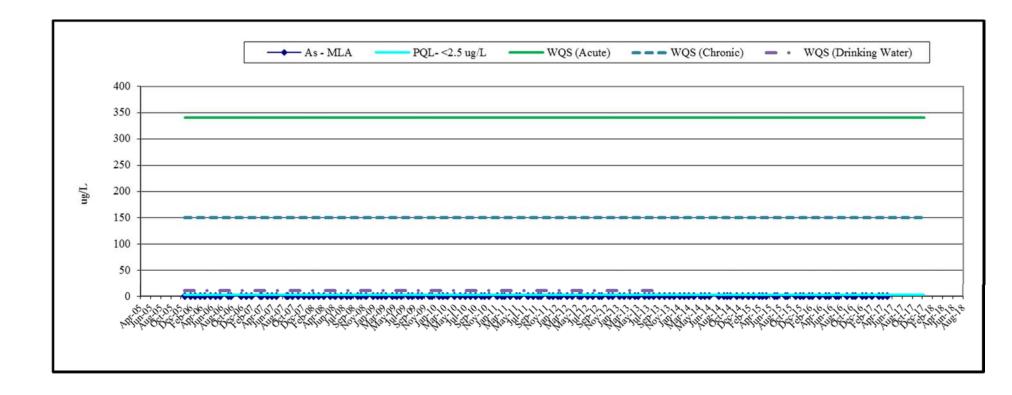


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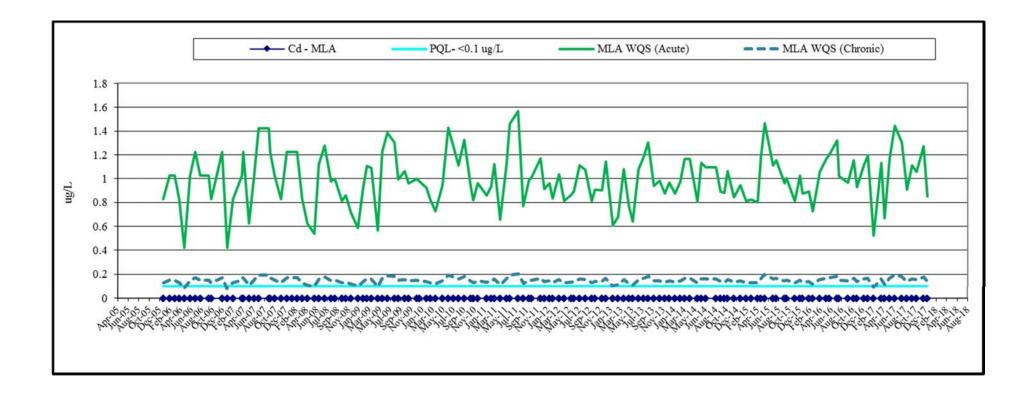


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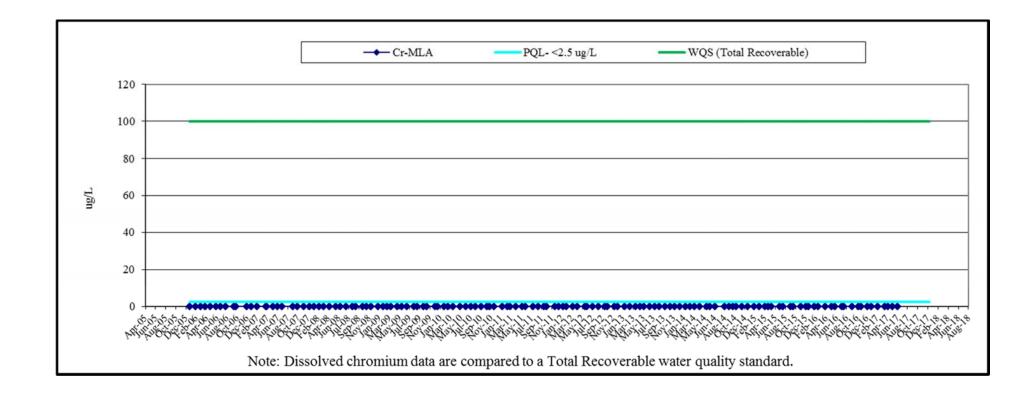


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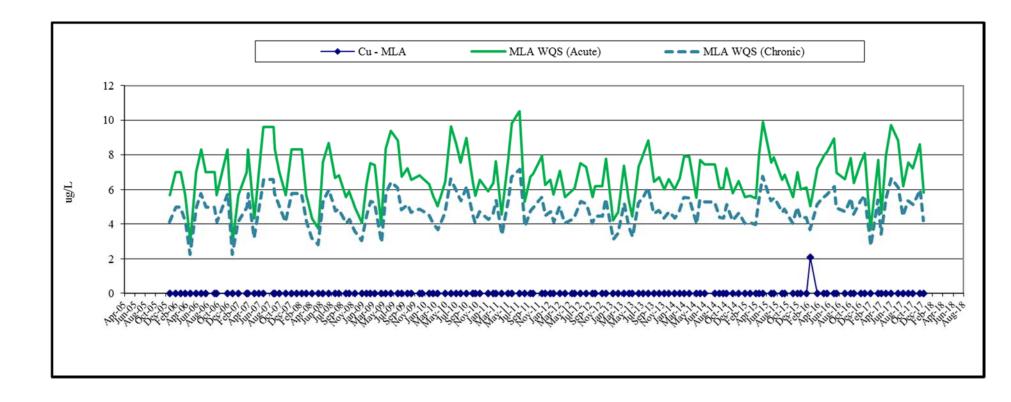


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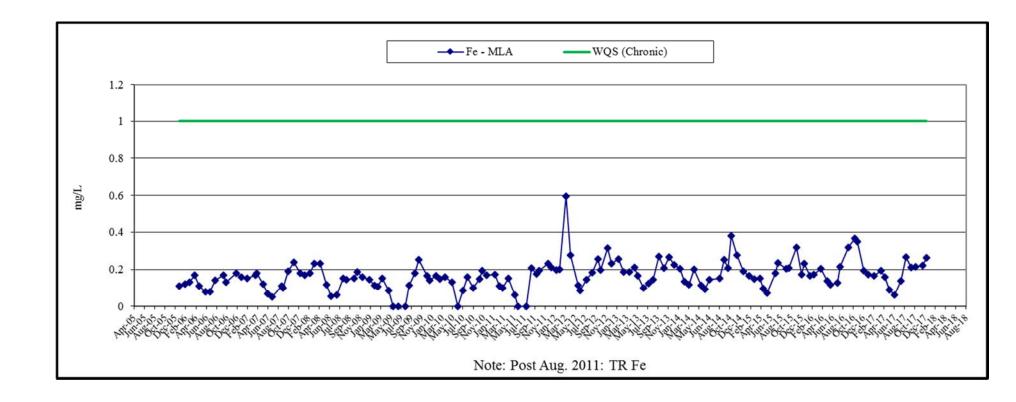


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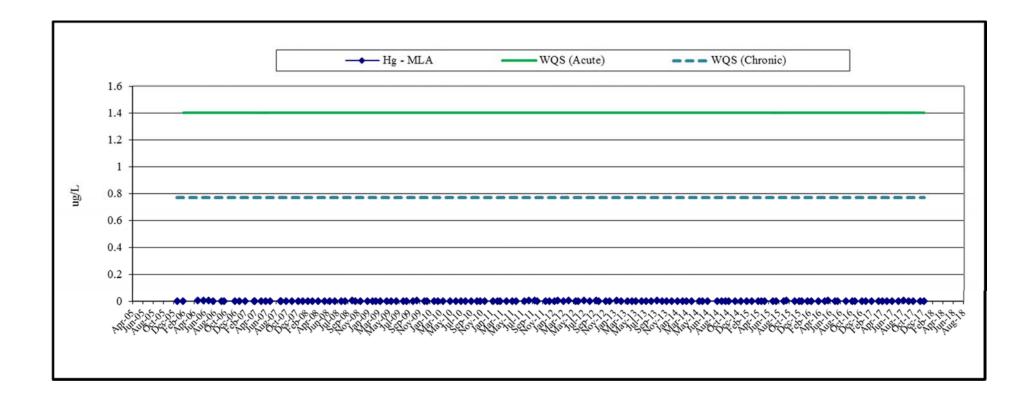


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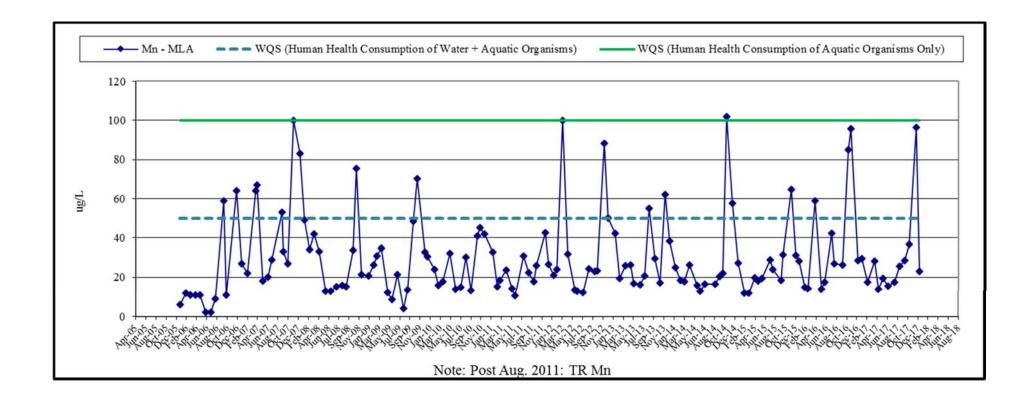


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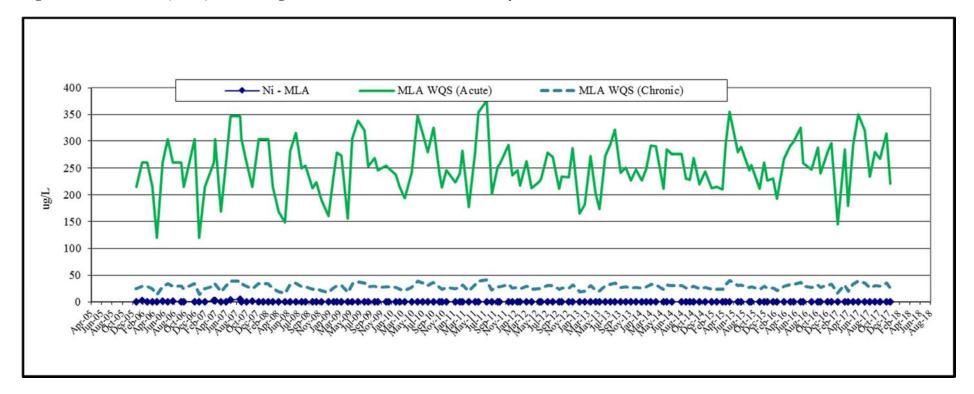


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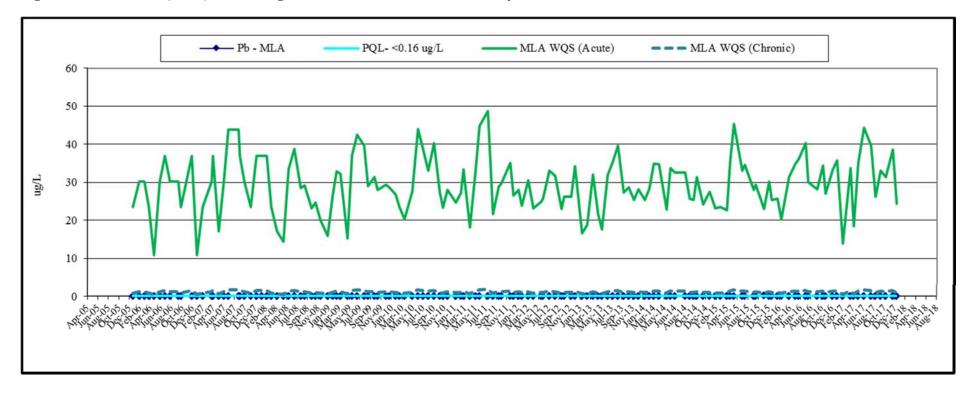


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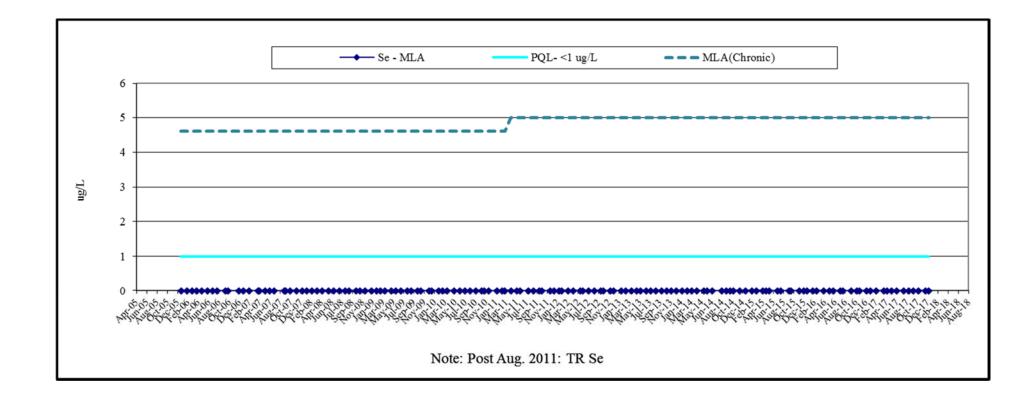


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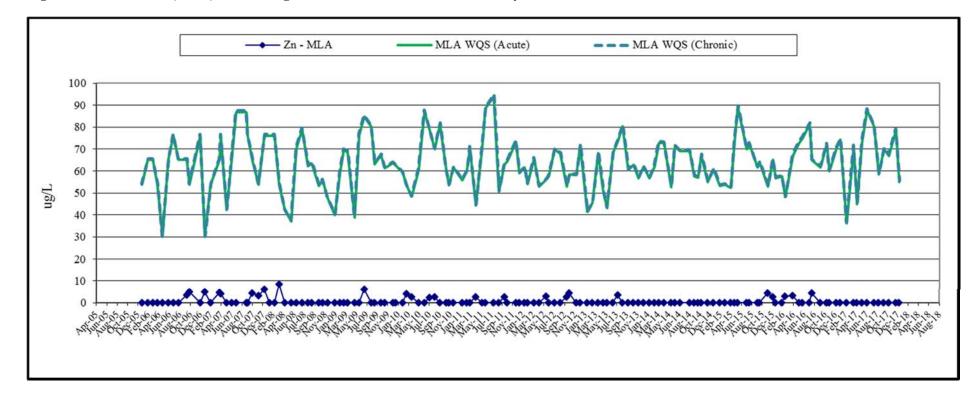


Figure 10a: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Field Parameters

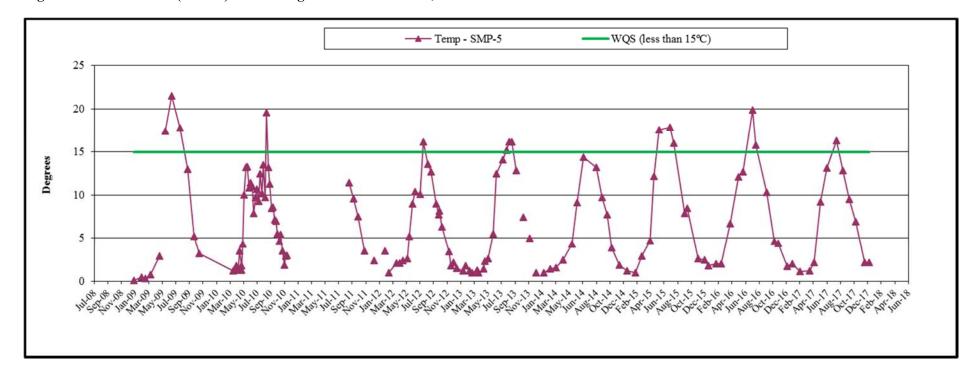


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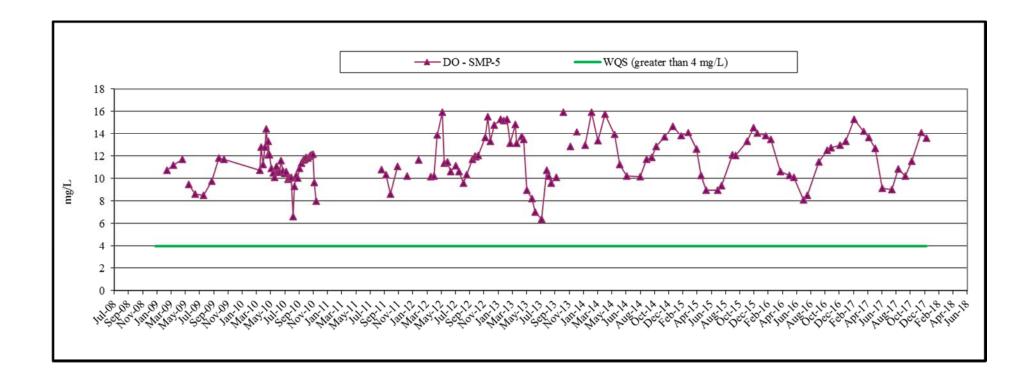


Figure 10a: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Field Parameters

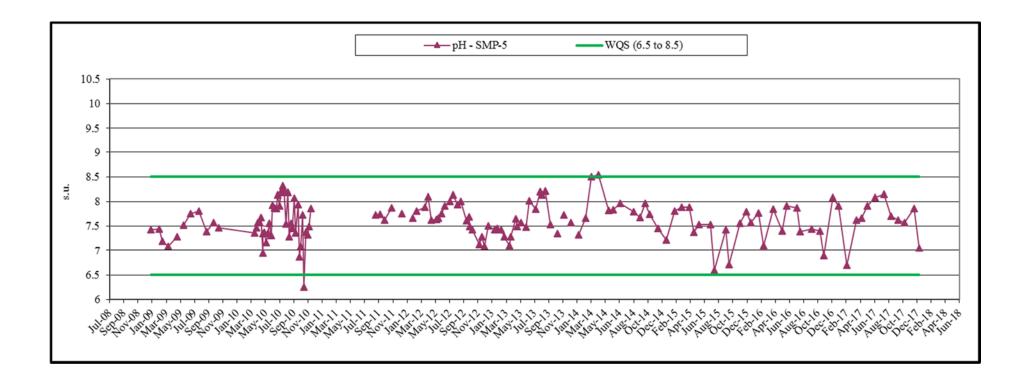


Figure 10a: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Field Parameters

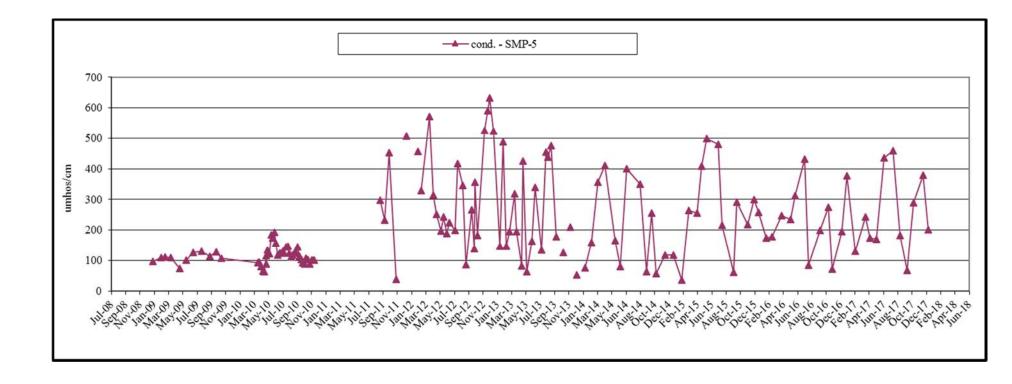


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

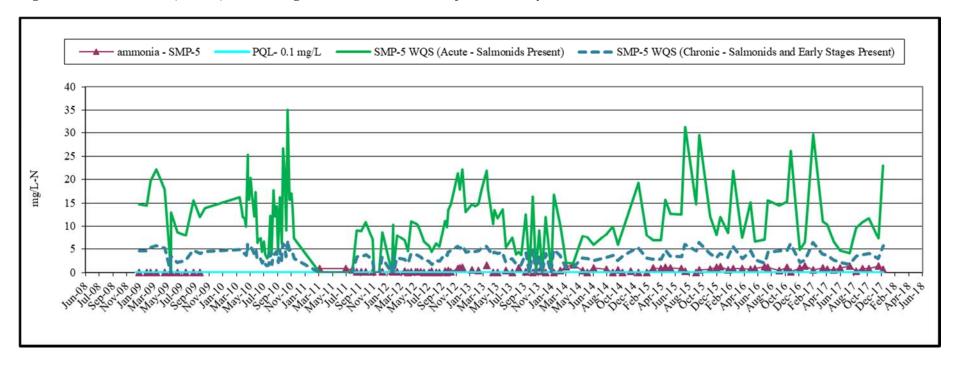


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

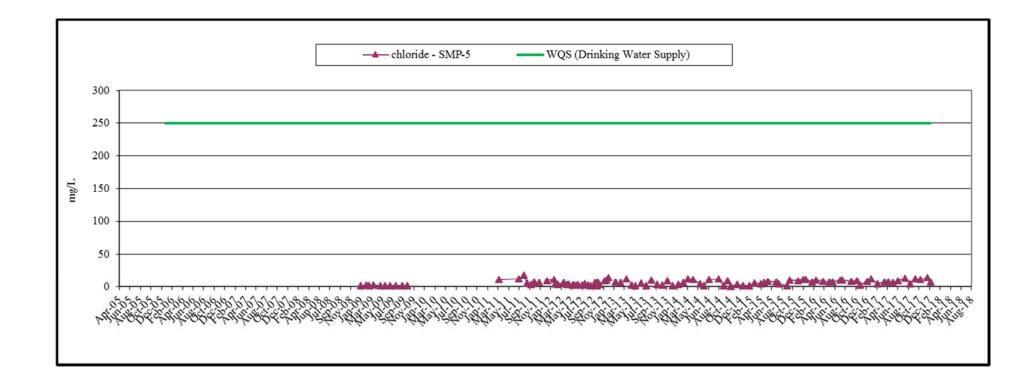


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

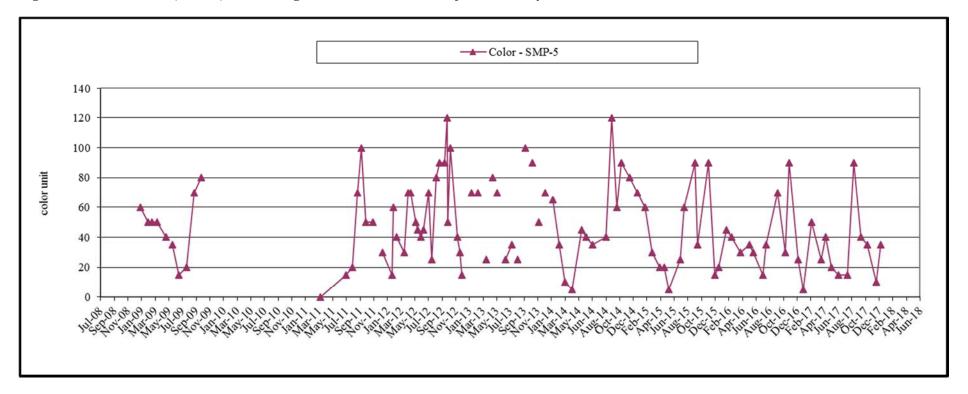


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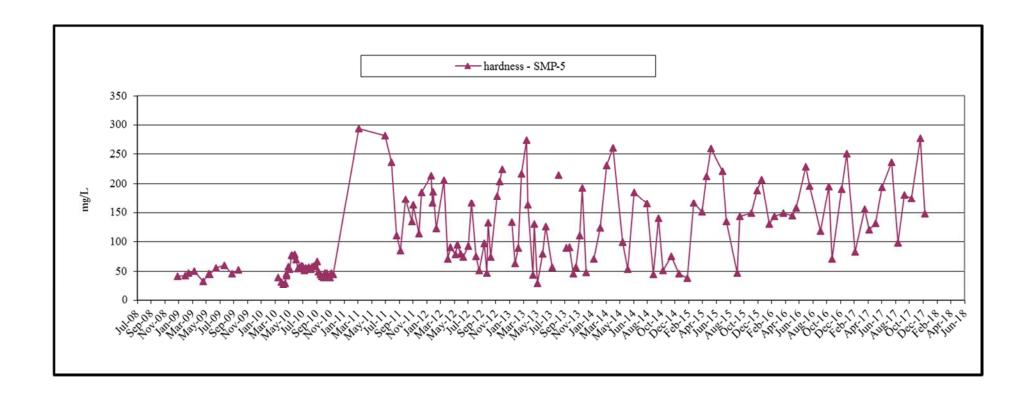


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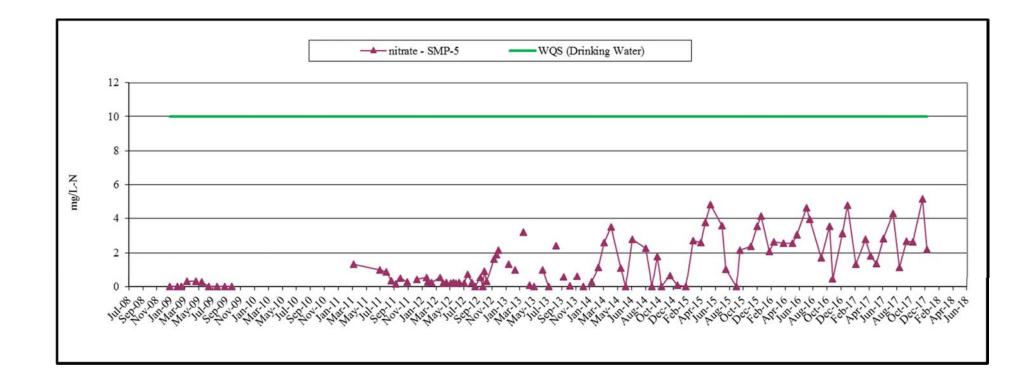


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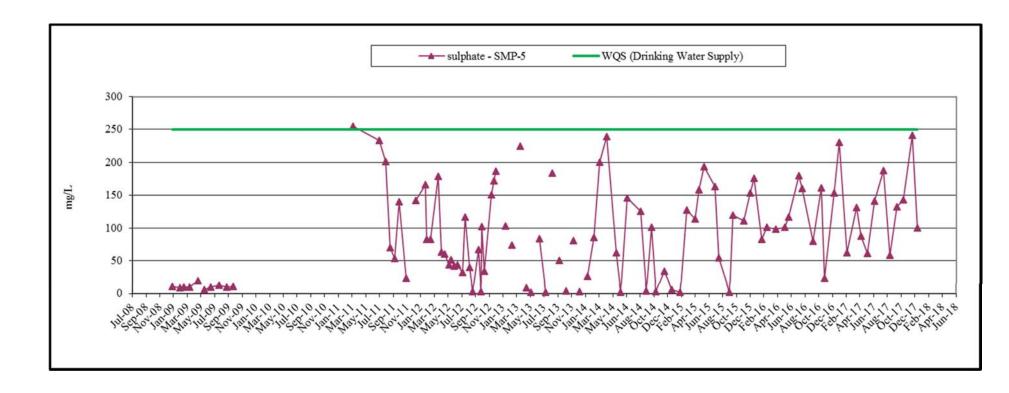


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

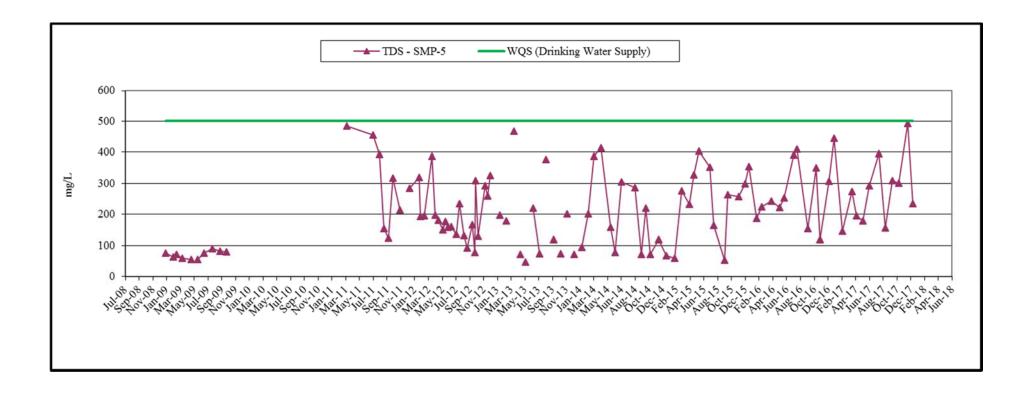


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

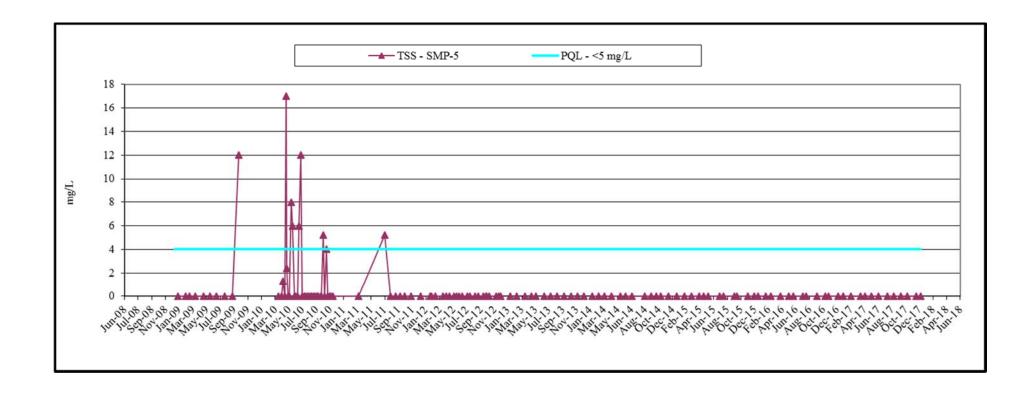


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

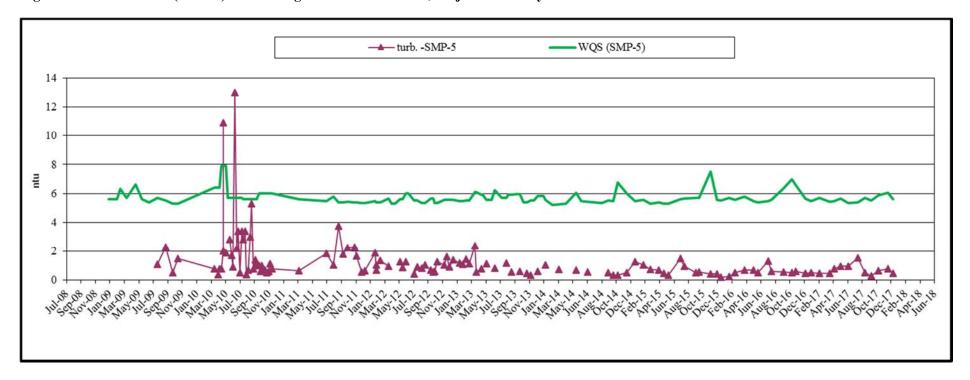


Figure 10b: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Major Chemistry

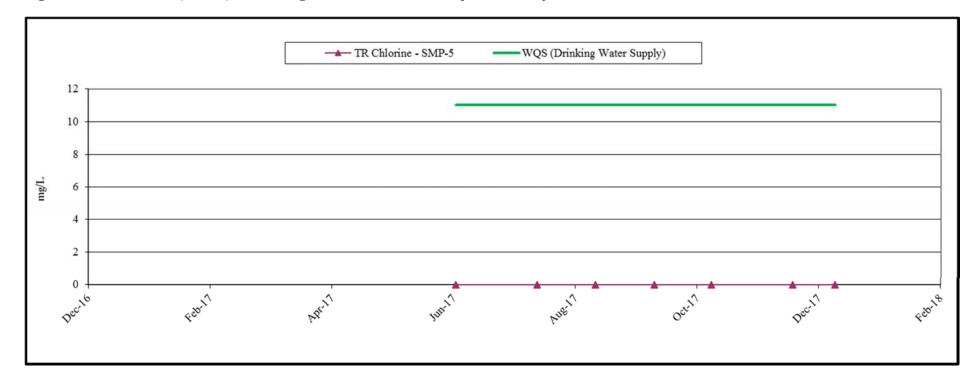


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

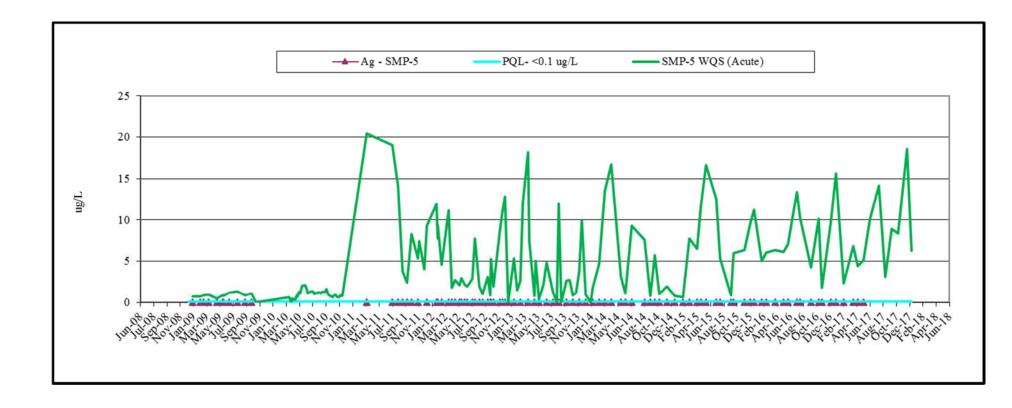


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

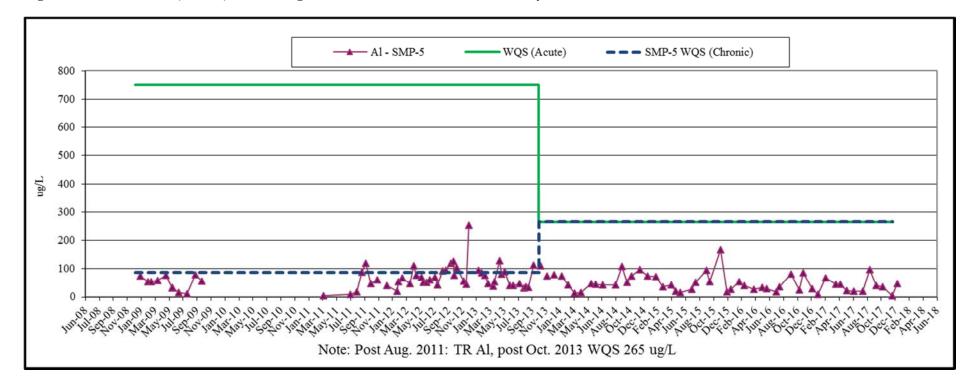


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

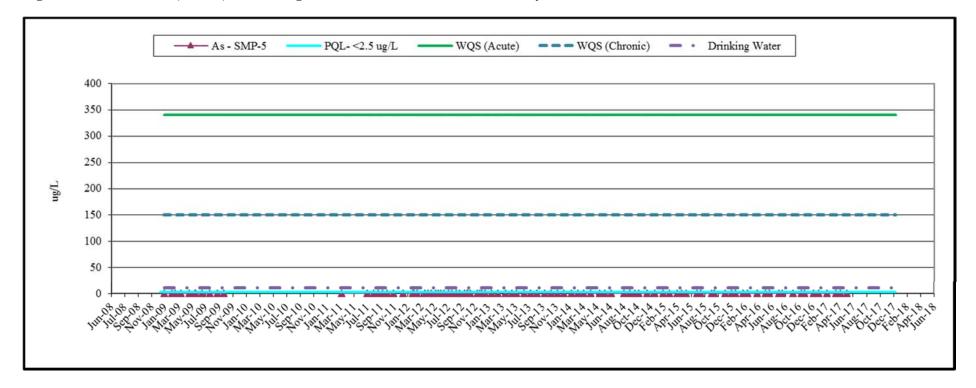


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

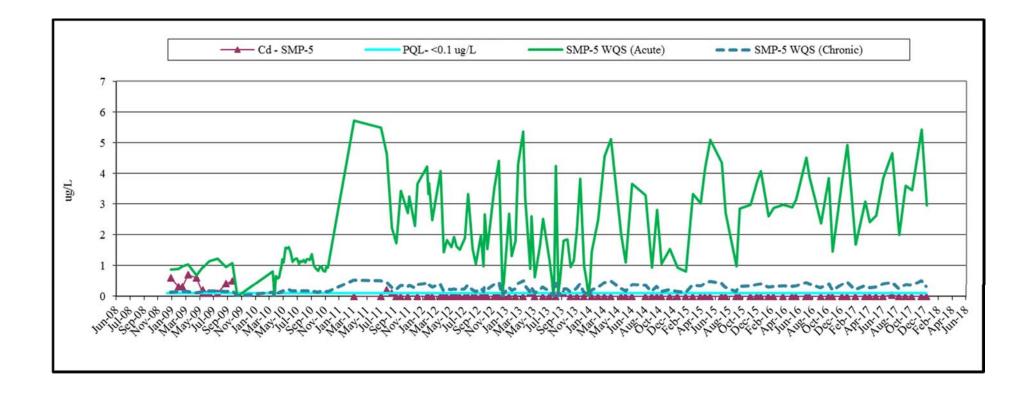


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

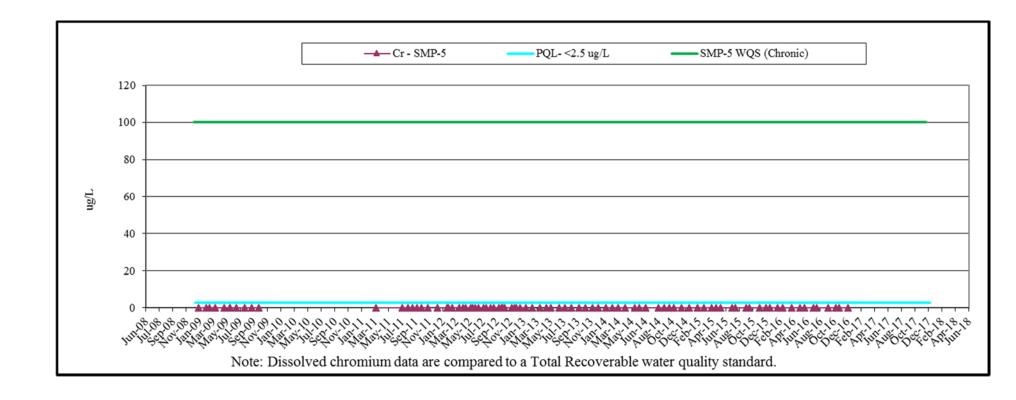


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

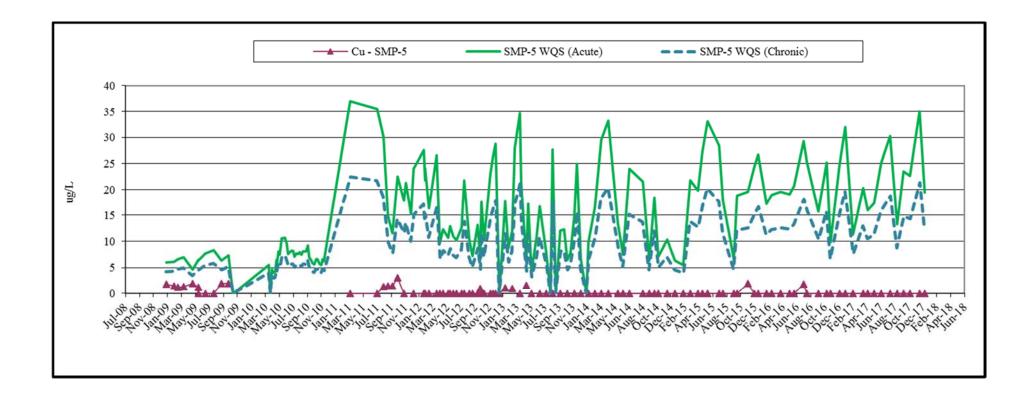


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

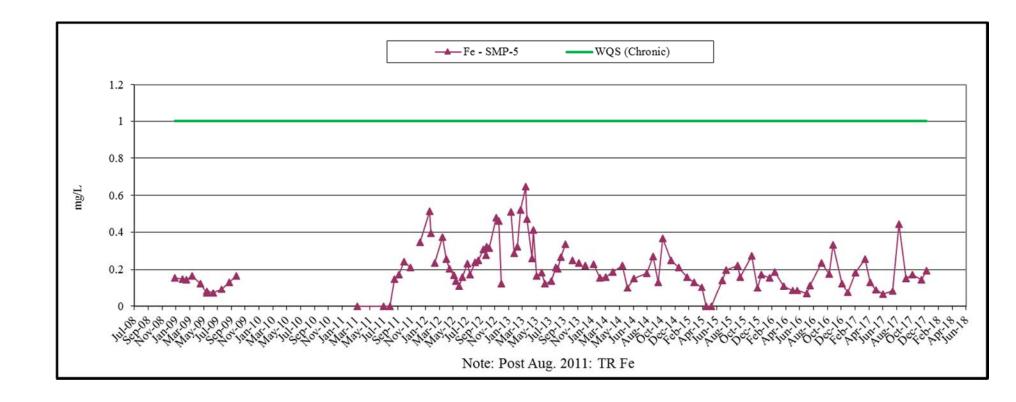


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

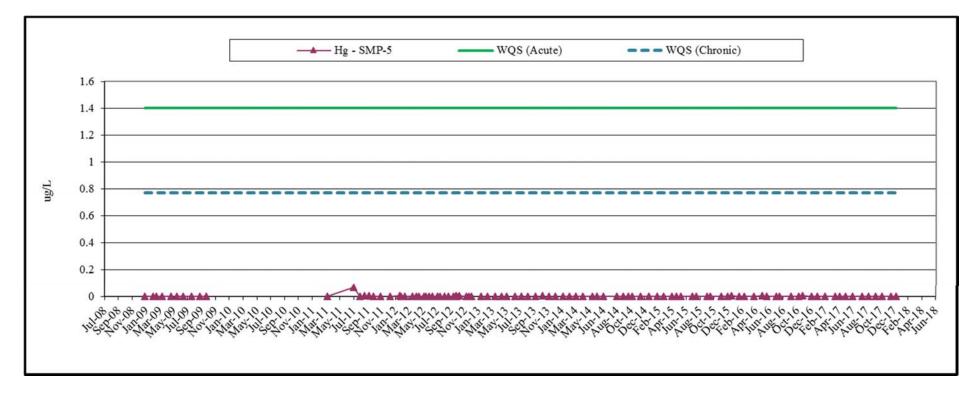


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

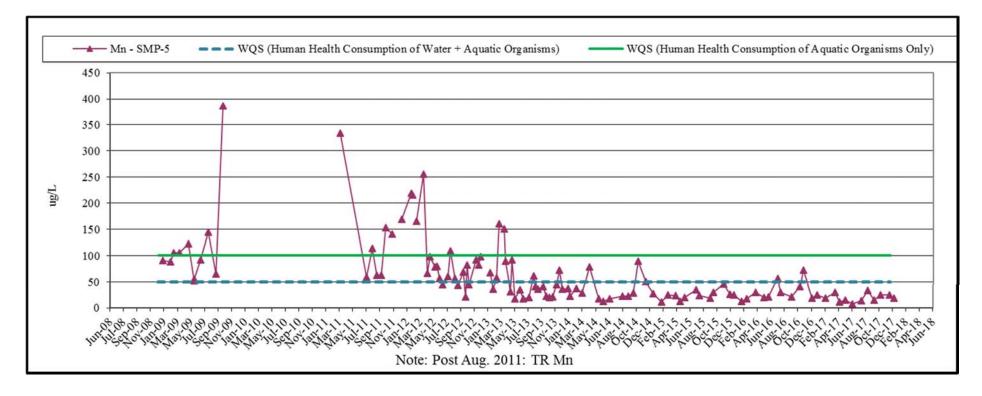


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

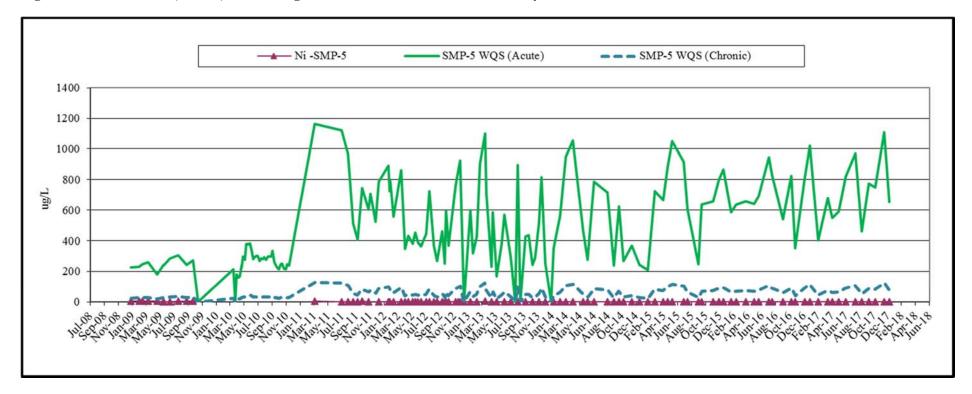


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

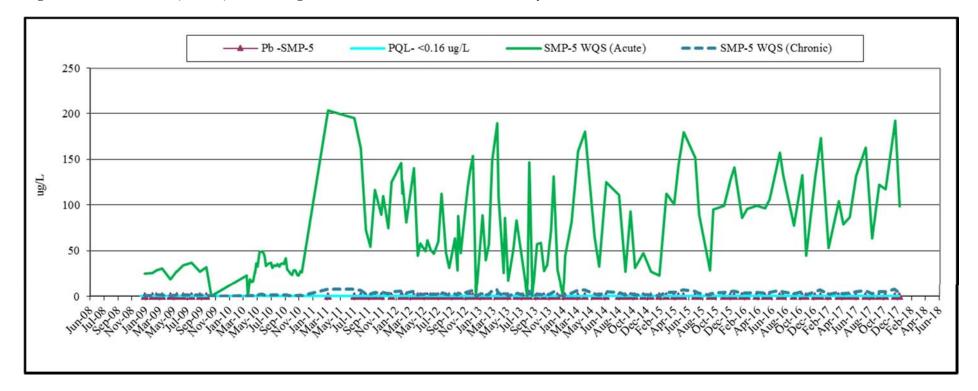


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

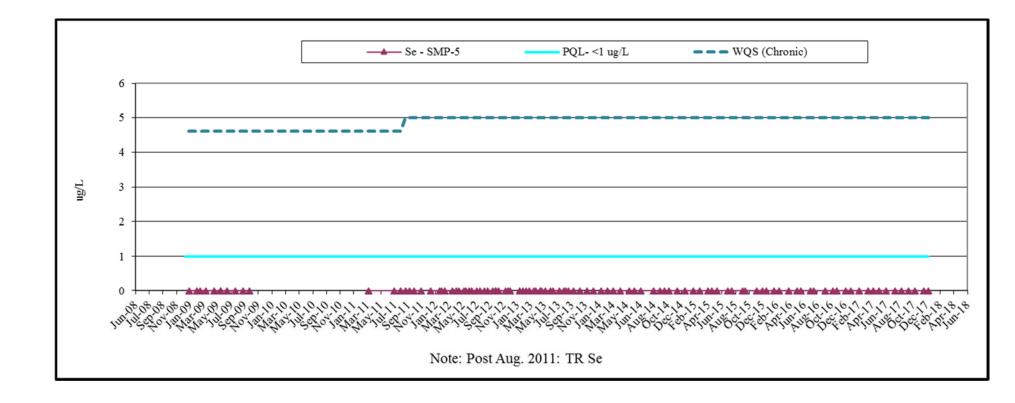


Figure 10c: Slate Creek (SMP-5) Monitoring Results 2009 – 2017, Trace Chemistry

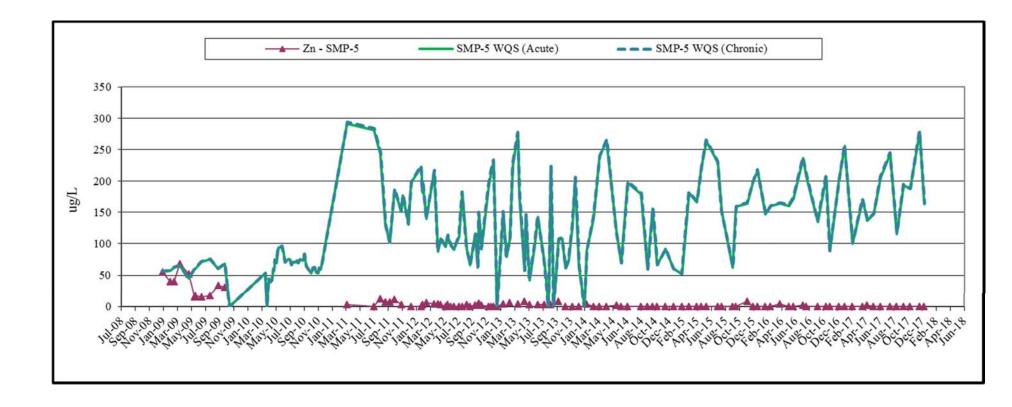


Figure 11a: Slate Creek (SLB) Results 2006-2017, Field Parameters

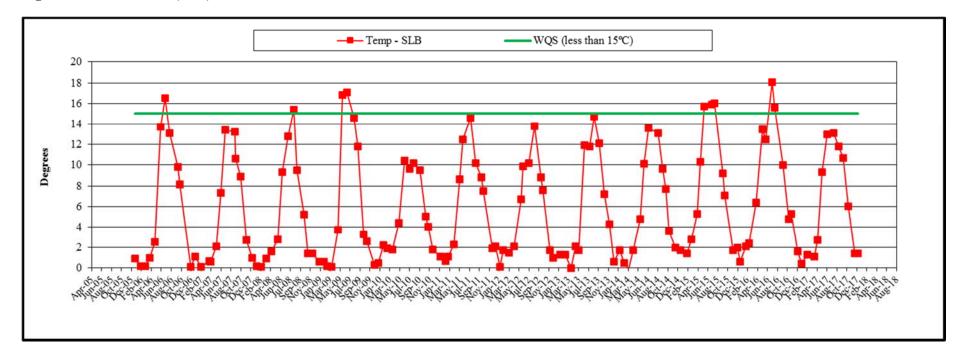


Figure 11a: Slate Creek (SLB) Results 2006-2017, Field Parameters

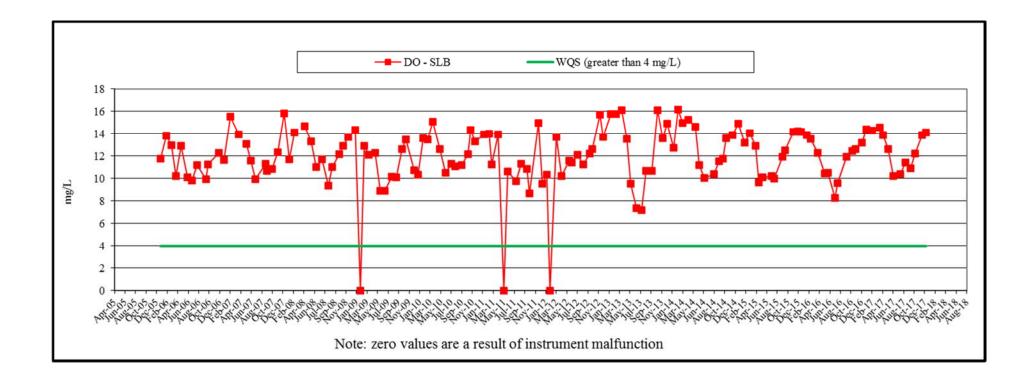


Figure 11a: Slate Creek (SLB) Results 2006-2017, Field Parameters

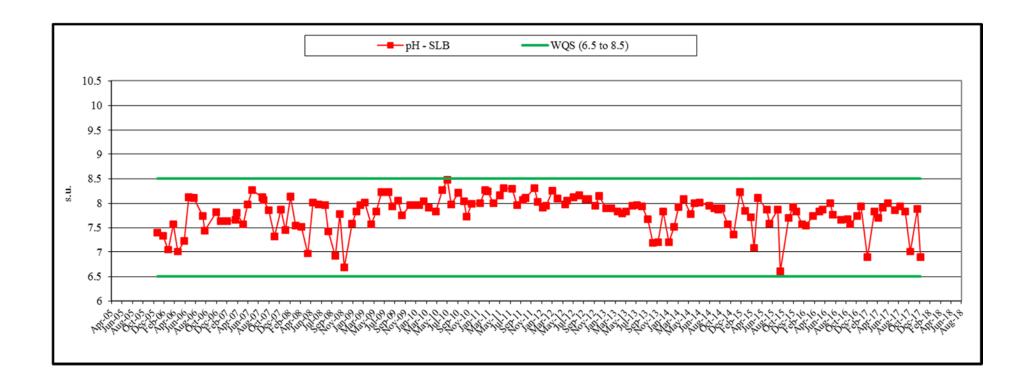


Figure 11a: Slate Creek (SLB) Results 2006-2017, Field Parameters

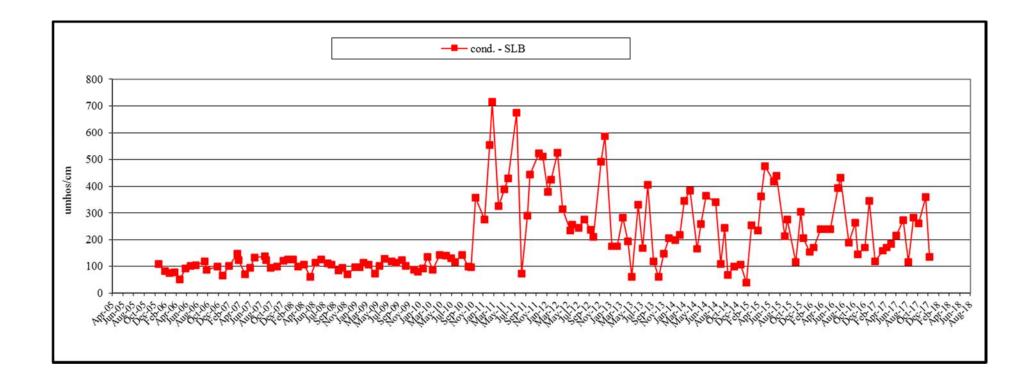


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

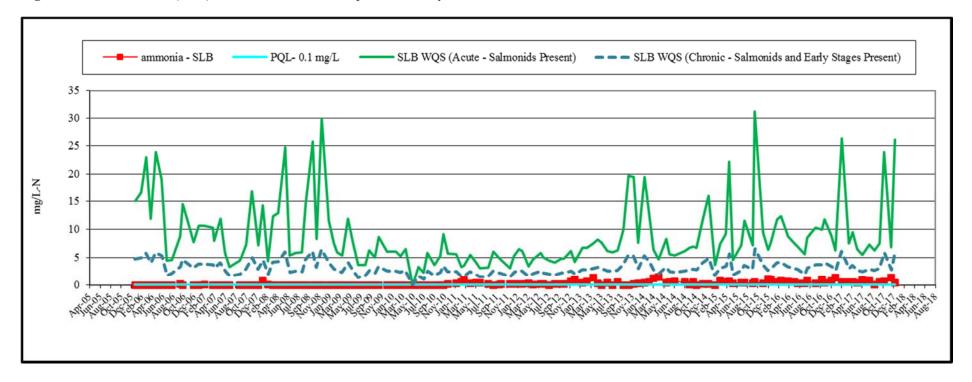


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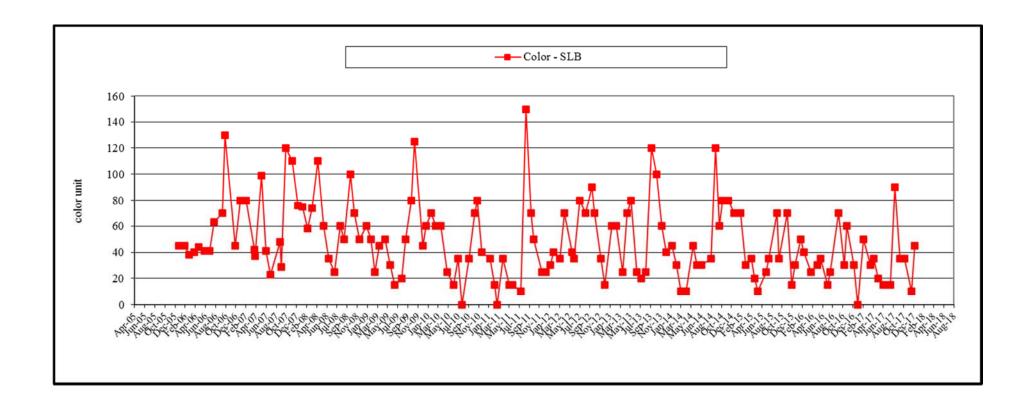


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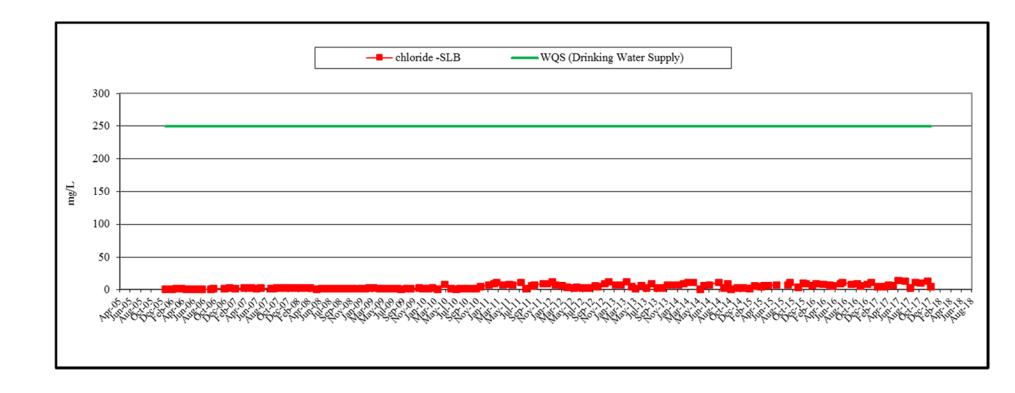


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

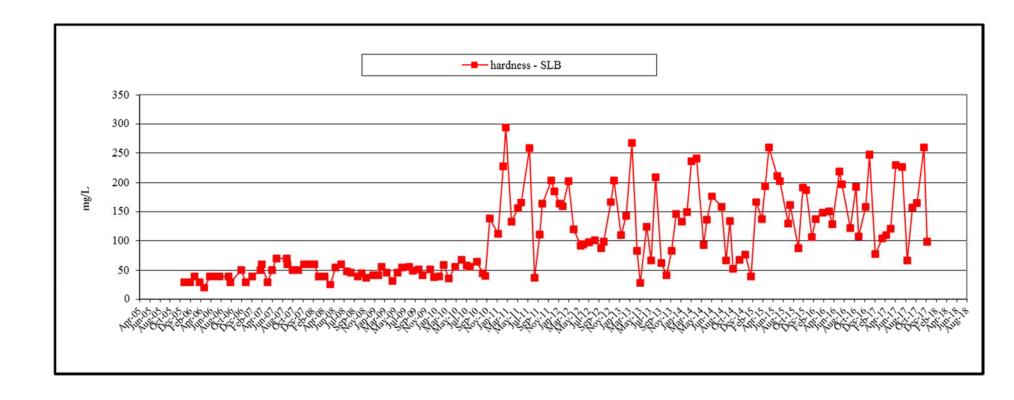


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

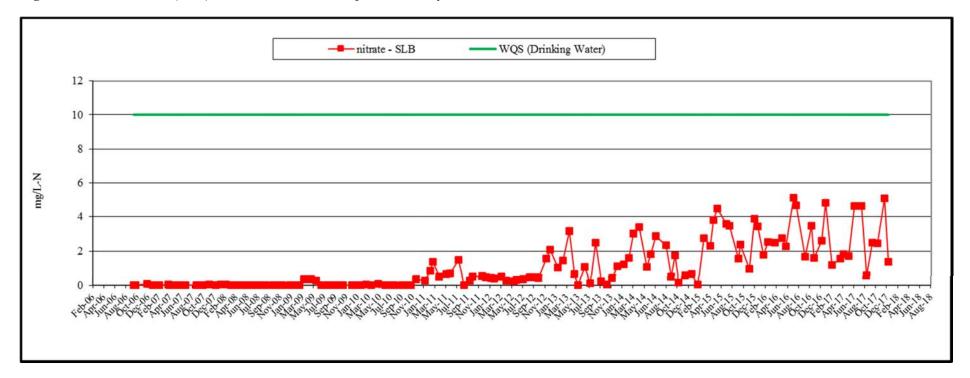


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

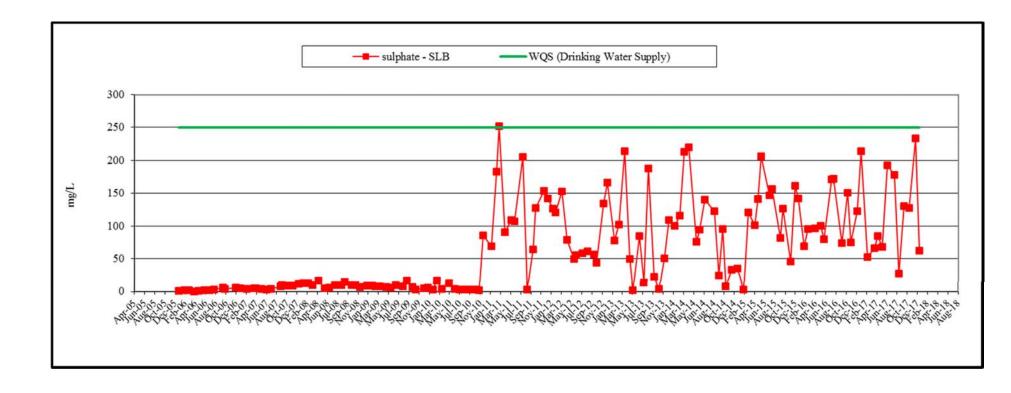


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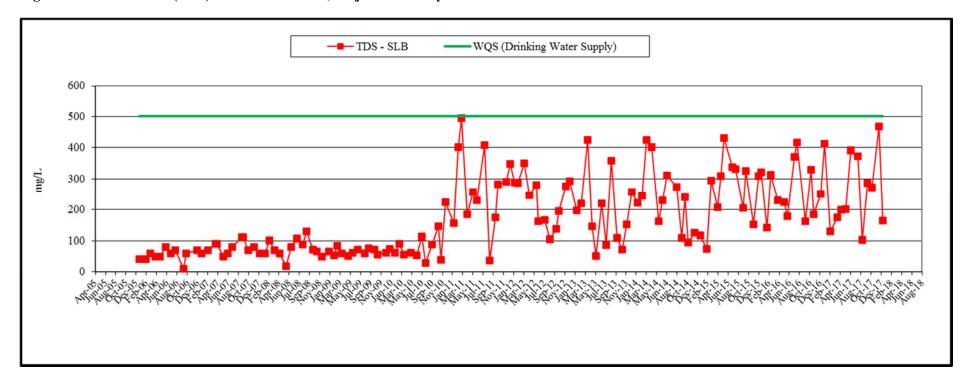


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

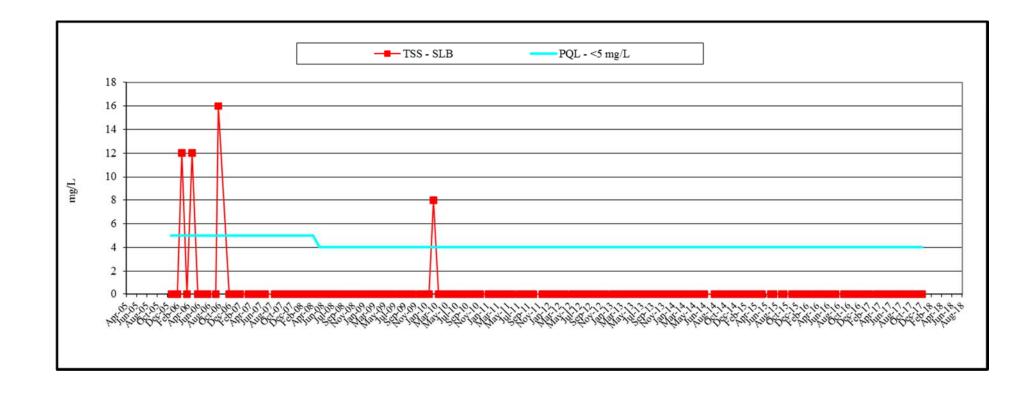


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

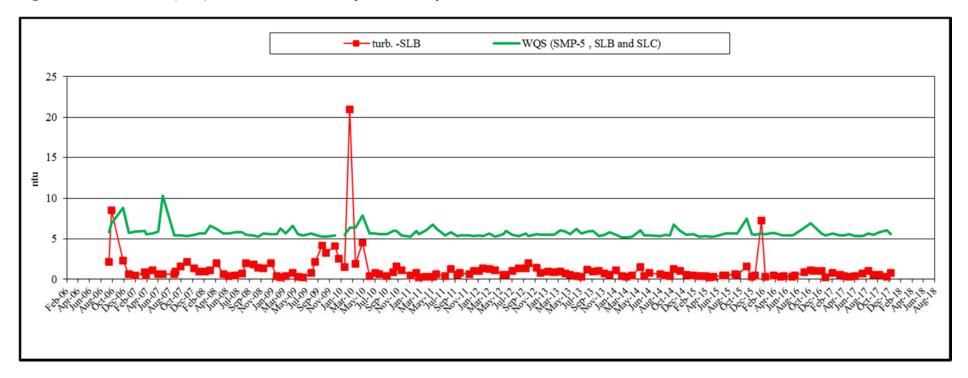


Figure 11b: Slate Creek (SLB) Results 2006-2017, Major Chemistry

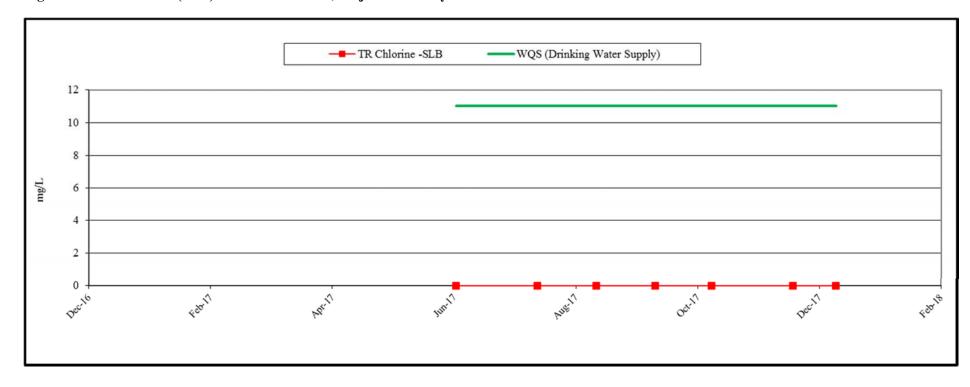


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

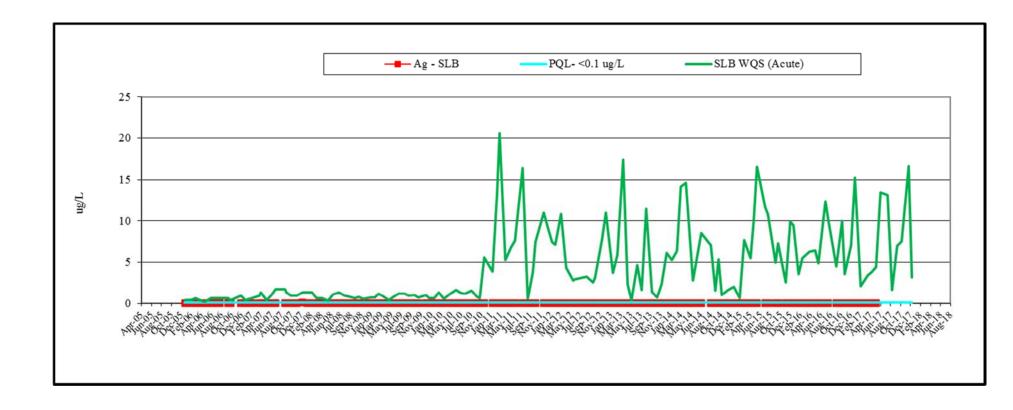


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

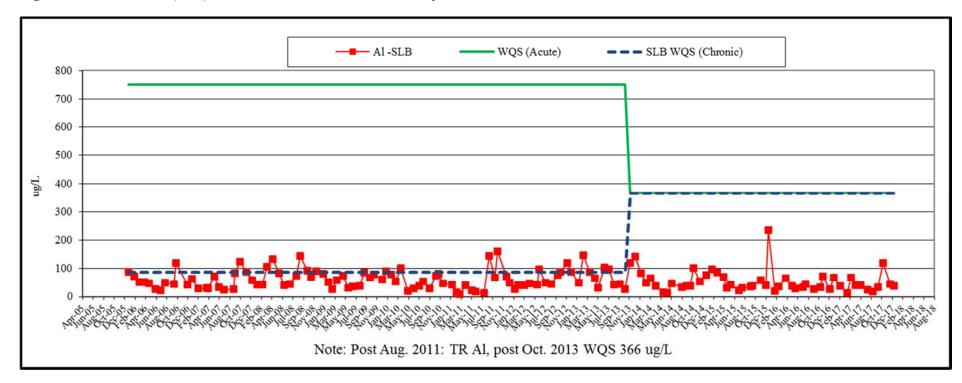


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

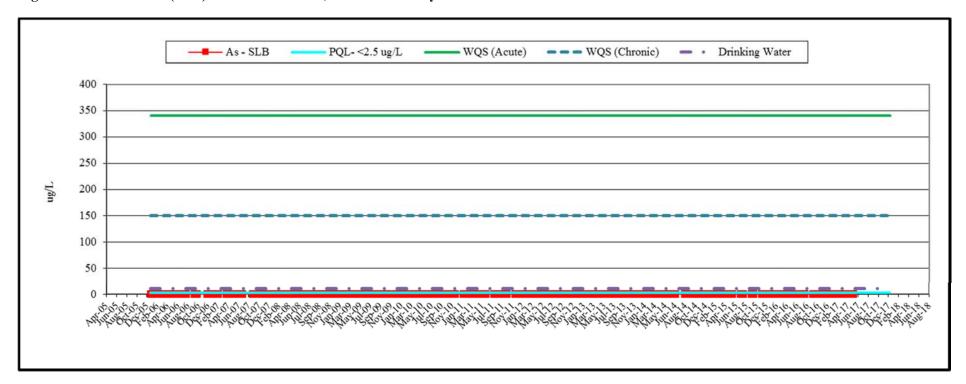


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

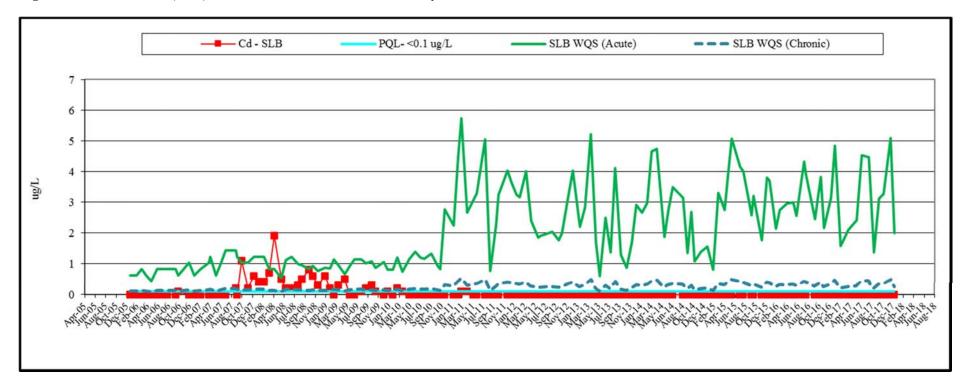


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

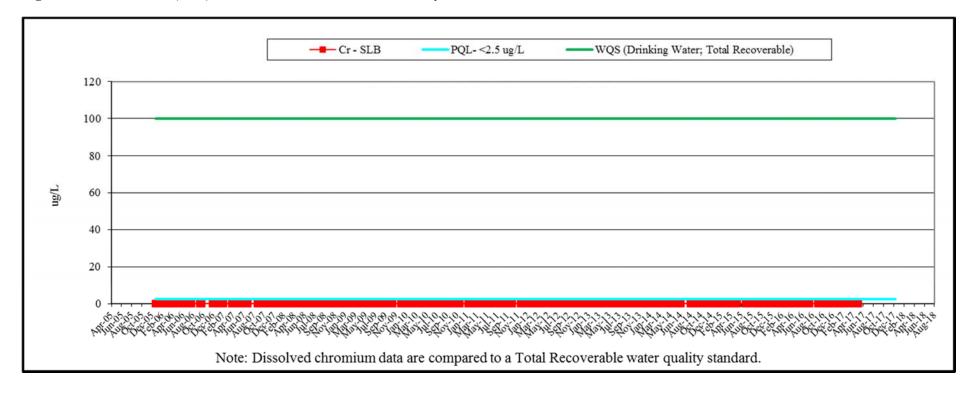


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

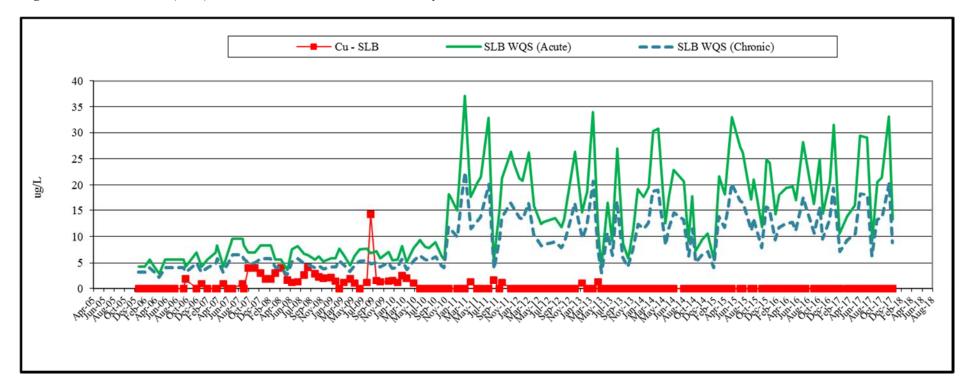


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

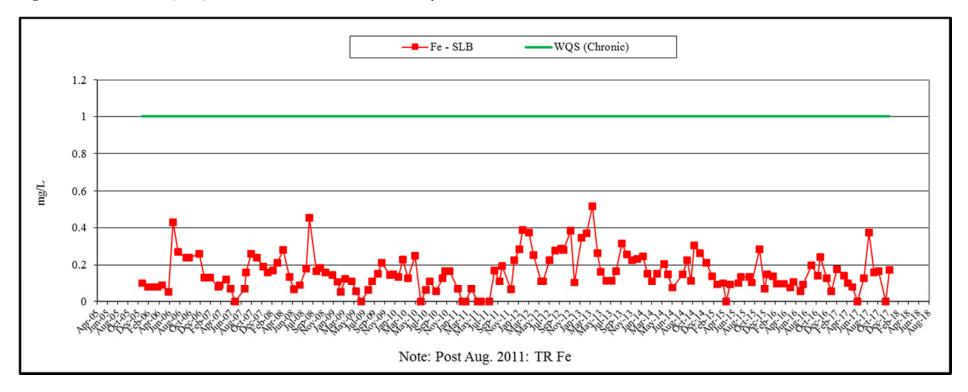


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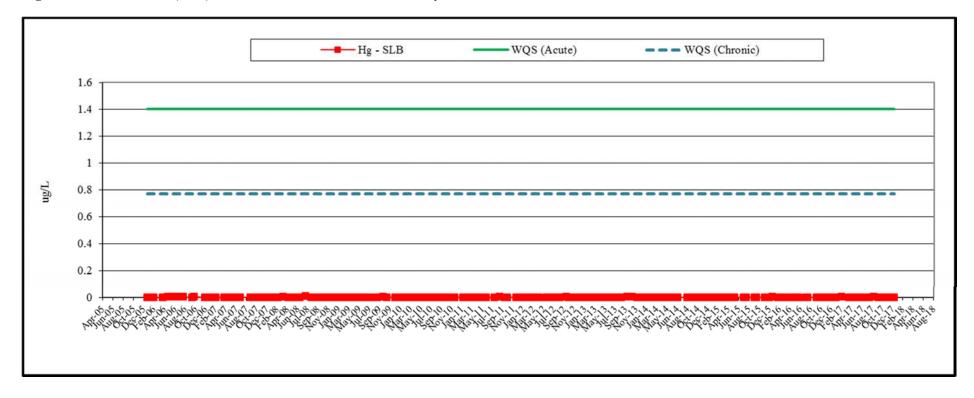


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

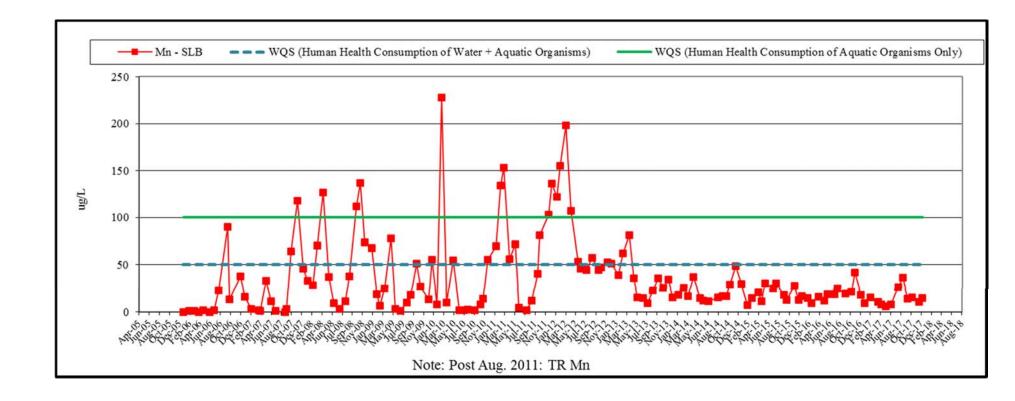


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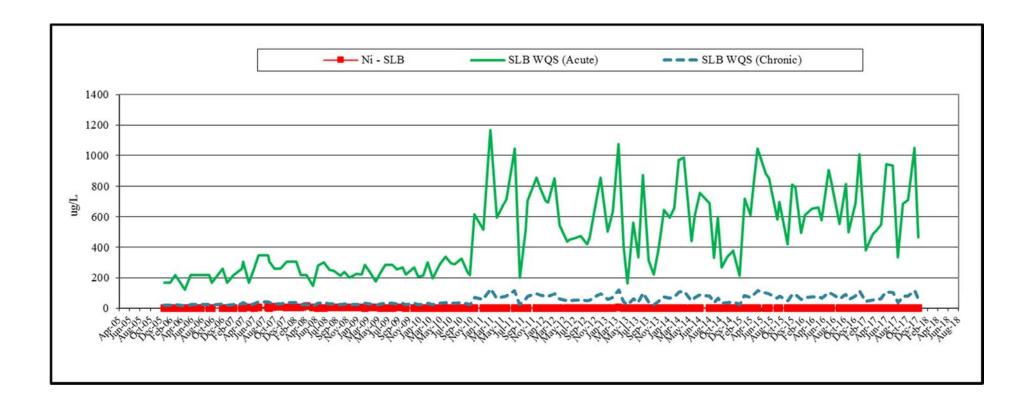


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

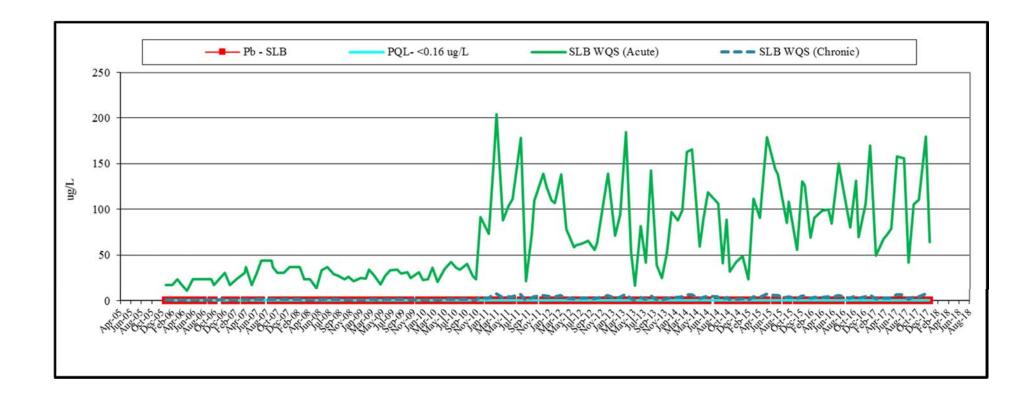


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

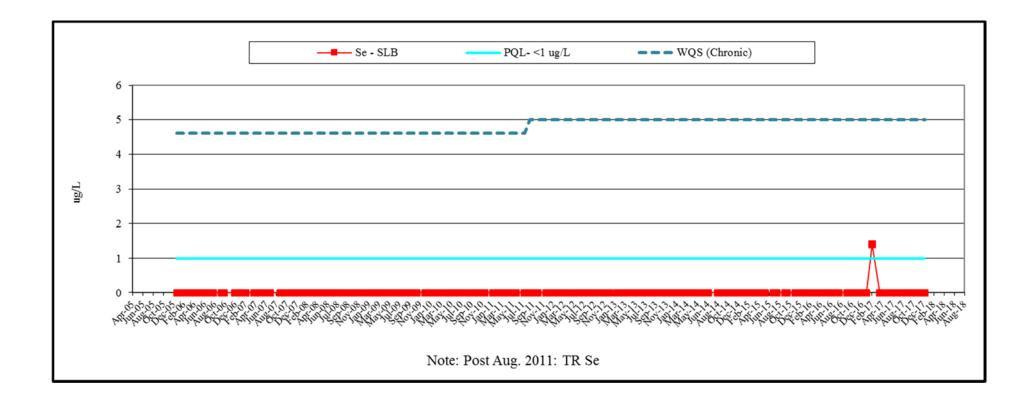


Figure 11c: Slate Creek (SLB) Results 2006-2017, Trace Chemistry

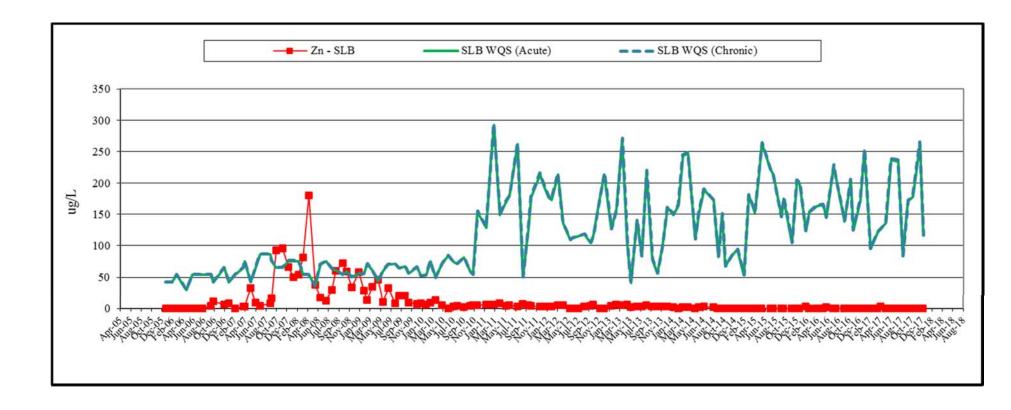


Figure 12a: Slate Creek (SLC) Monitoring Results 2006-2017, Field Parameters

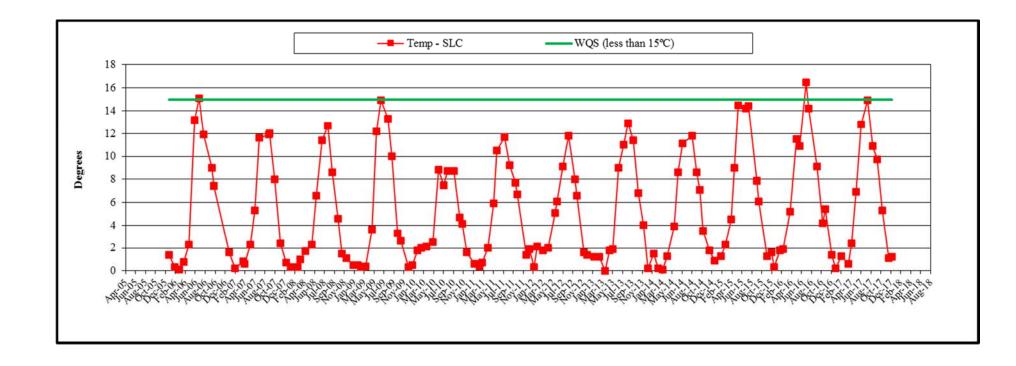


Figure 12a: Slate Creek (SLC) Monitoring Results 2006-2017, Field Parameters

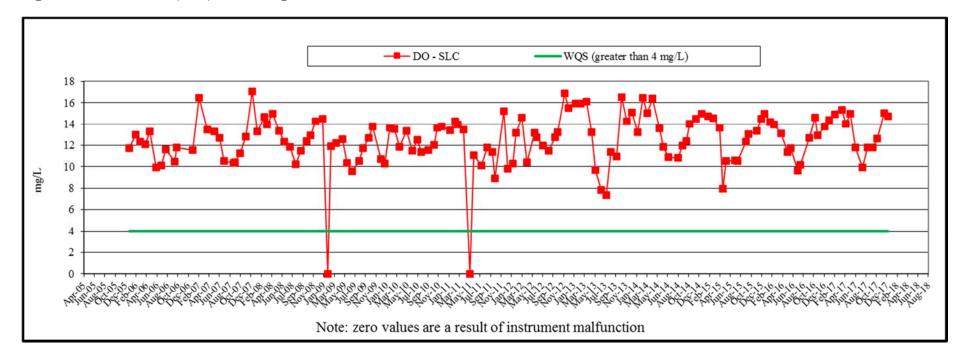


Figure 12a: Slate Creek (SLC) Monitoring Results 2006-2017, Field Parameters

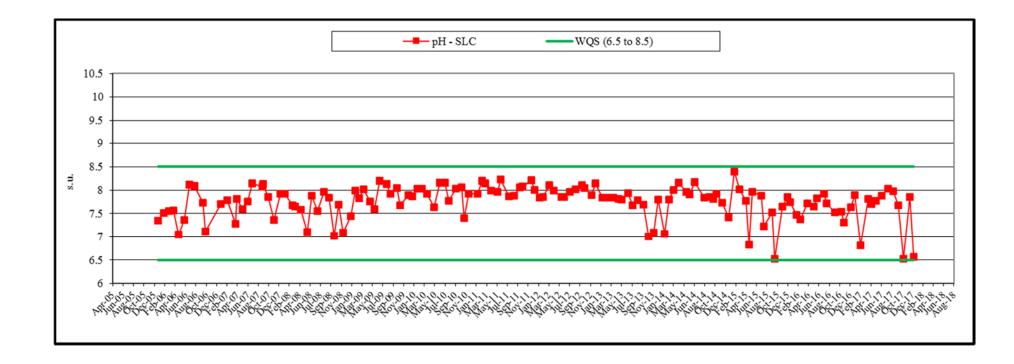


Figure 12a: Slate Creek (SLC) Monitoring Results 2006-2017, Field Parameters

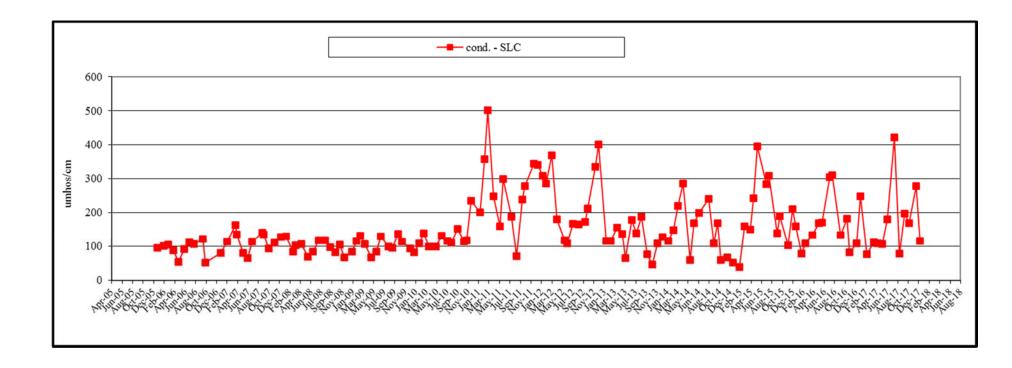


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

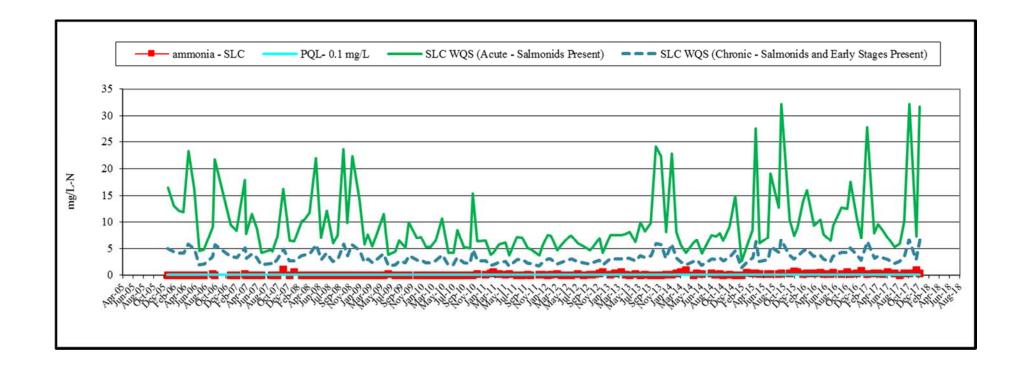


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

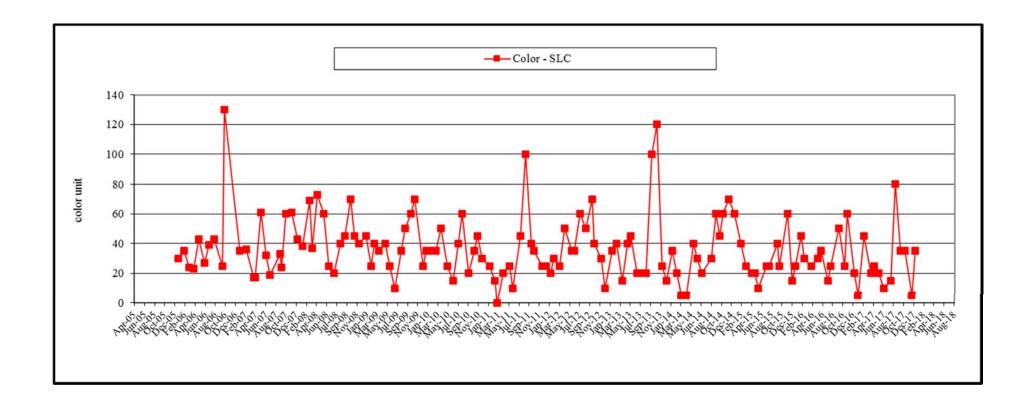


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

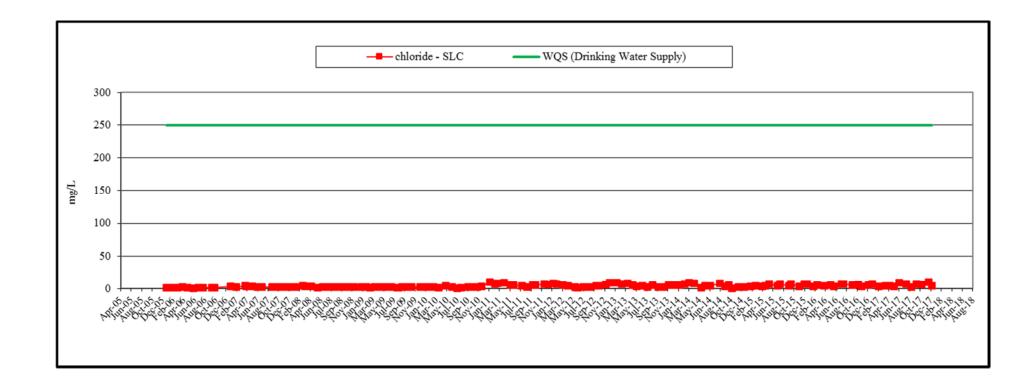


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

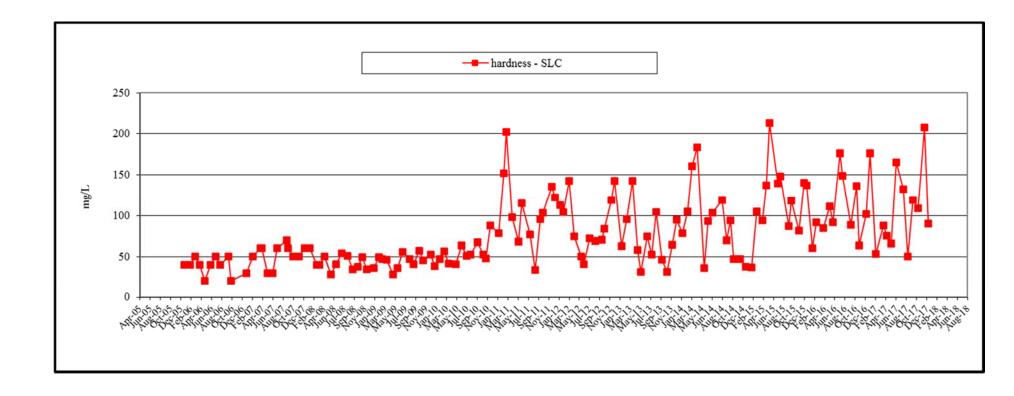


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

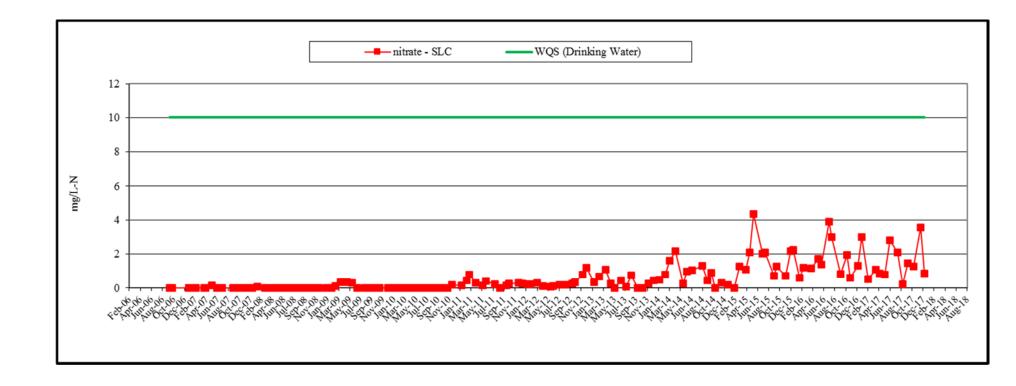


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

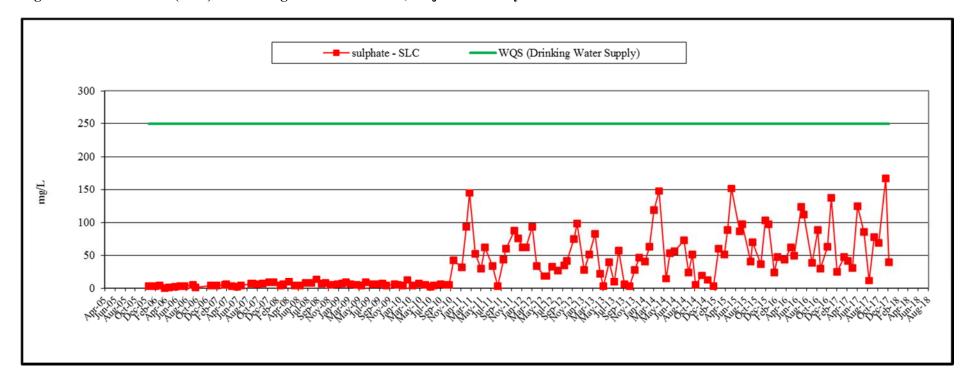


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

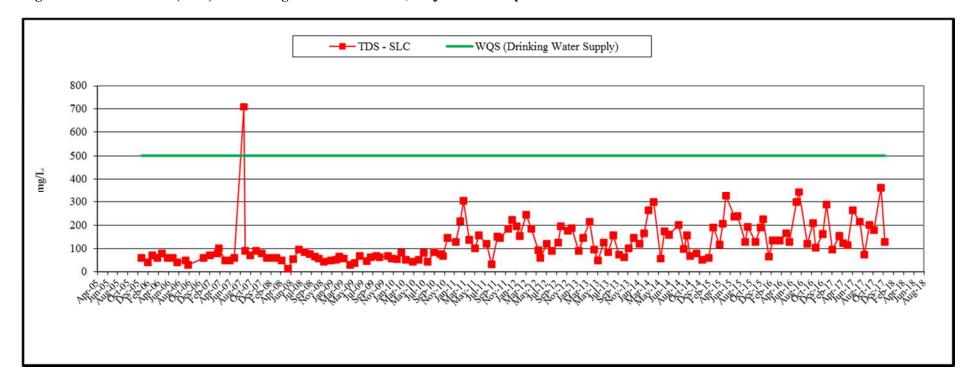


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

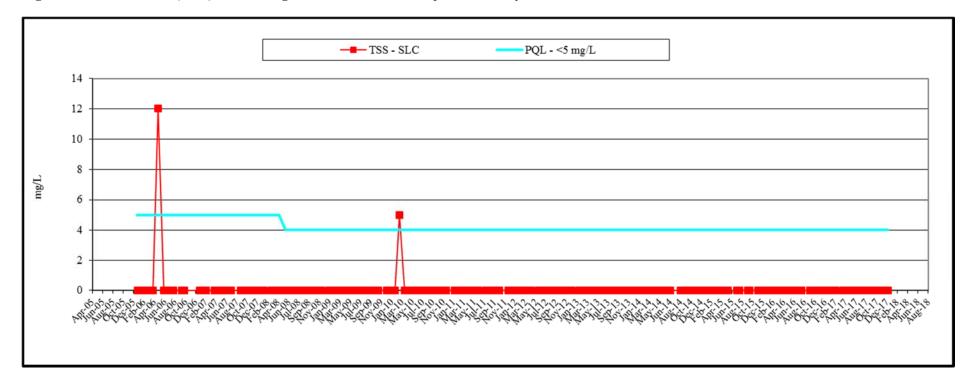


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

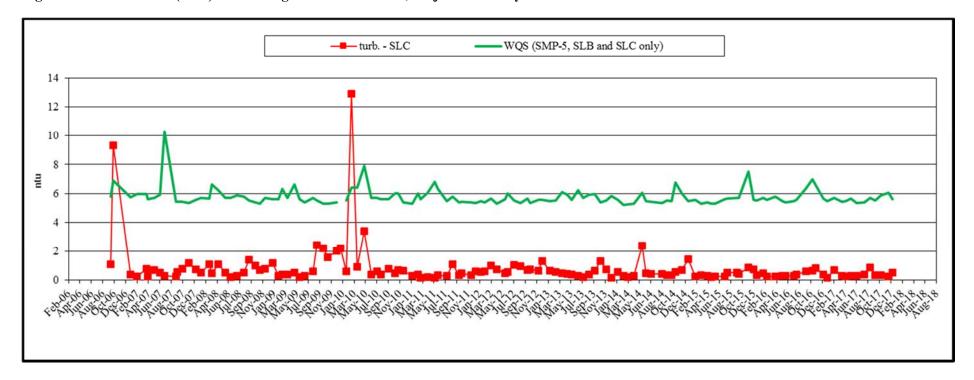


Figure 12b: Slate Creek (SLC) Monitoring Results 2006-2017, Major Chemistry

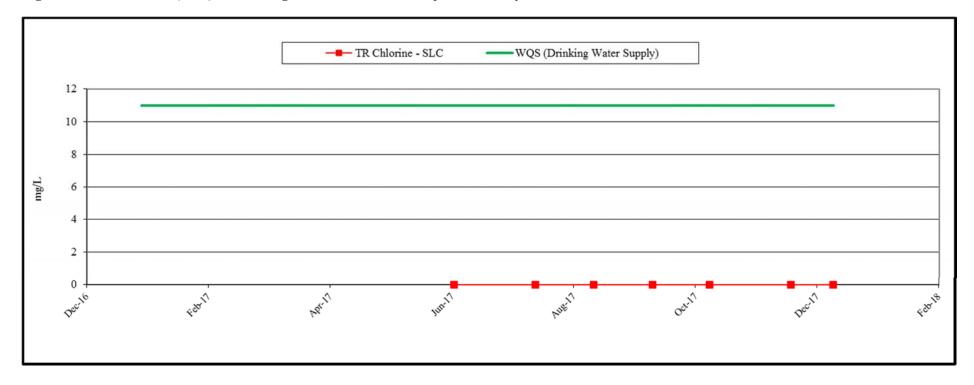


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

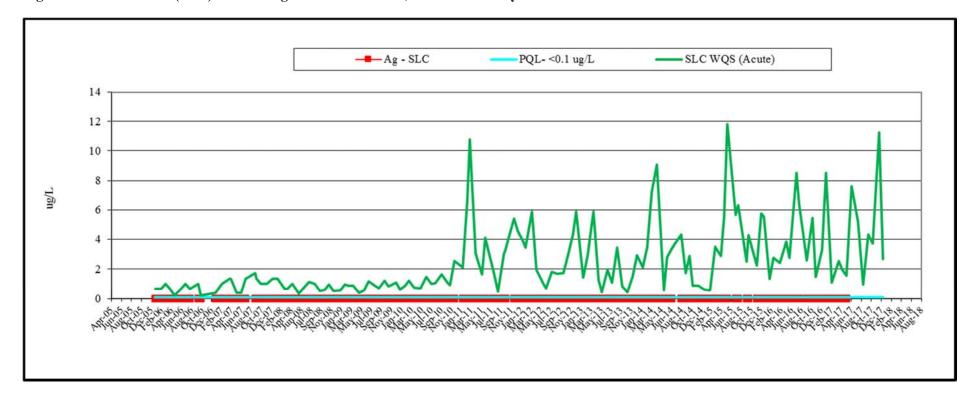


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

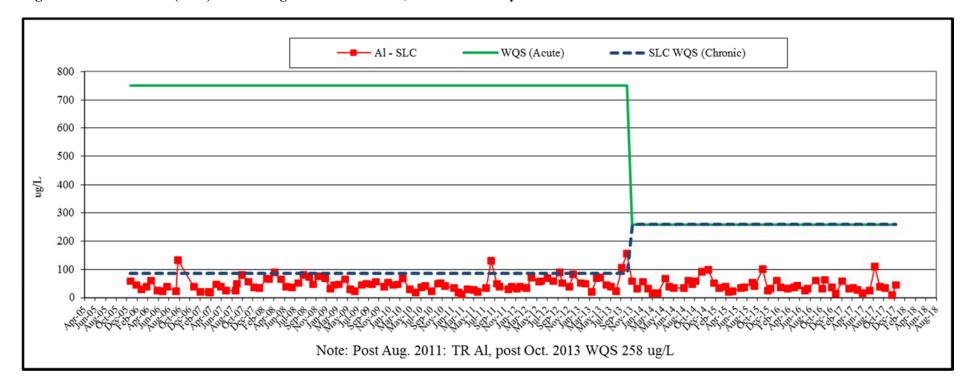


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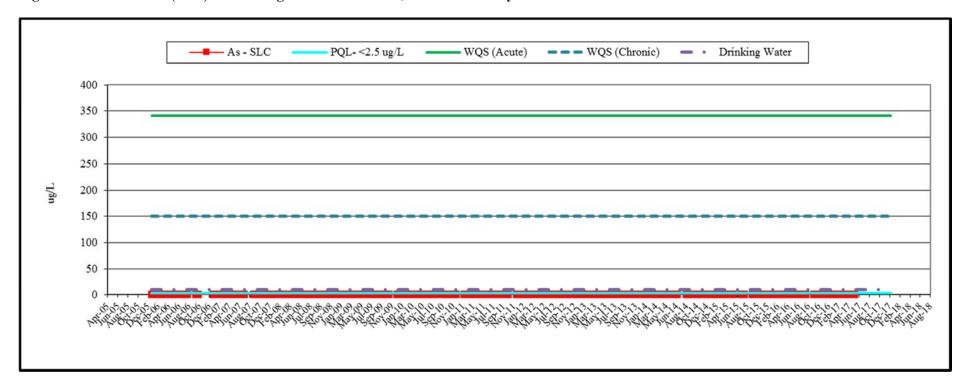


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

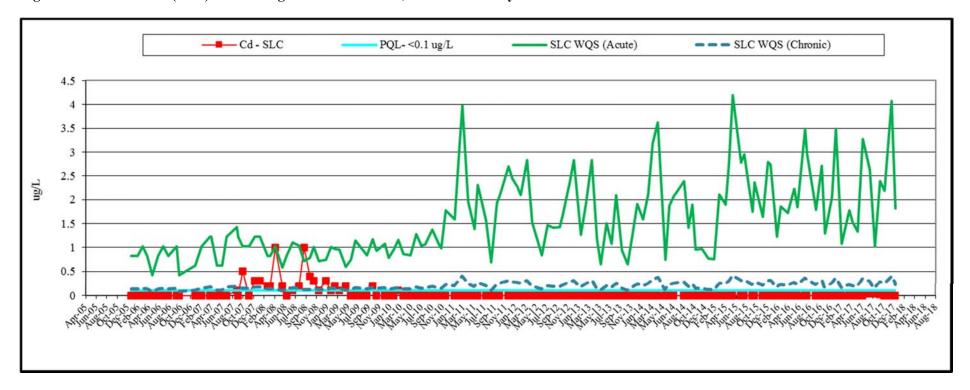


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

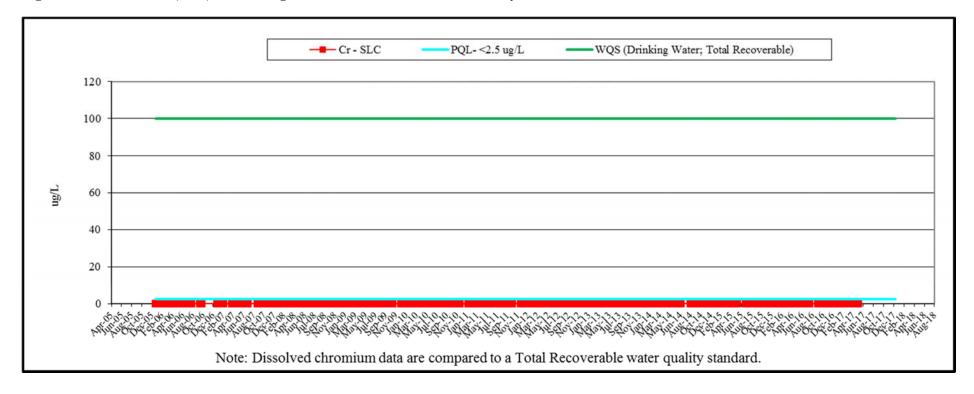


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

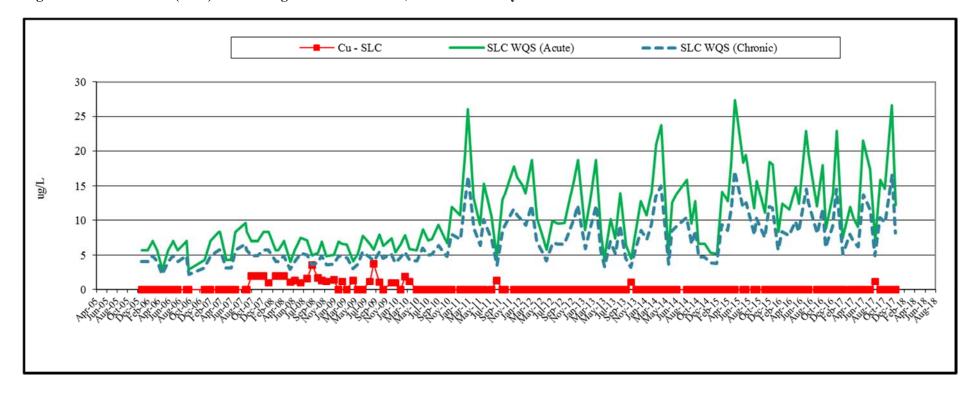


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

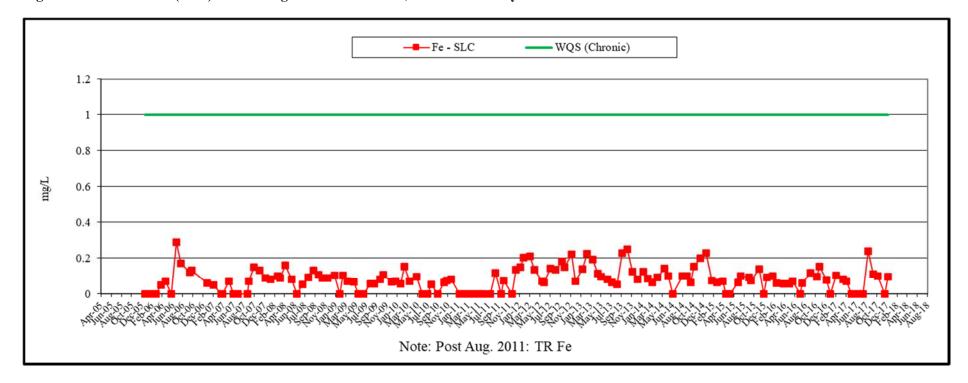


Figure 12c: Slate Creek (SLC) Monitoring Results 2006-2017, Trace Chemistry

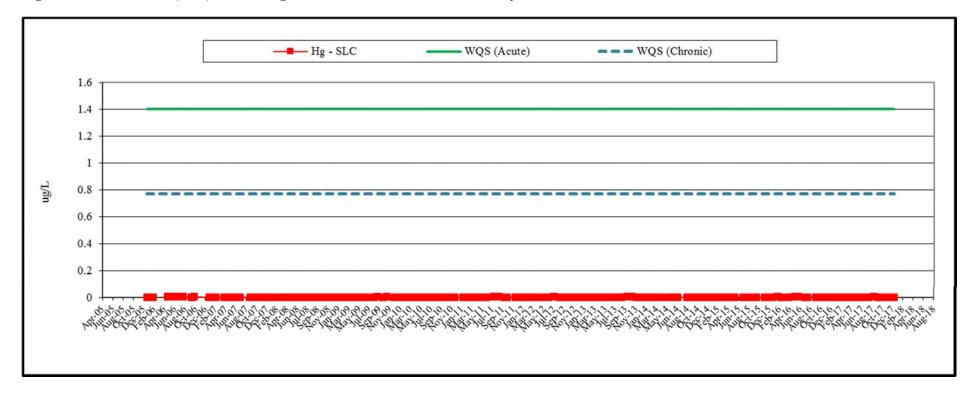


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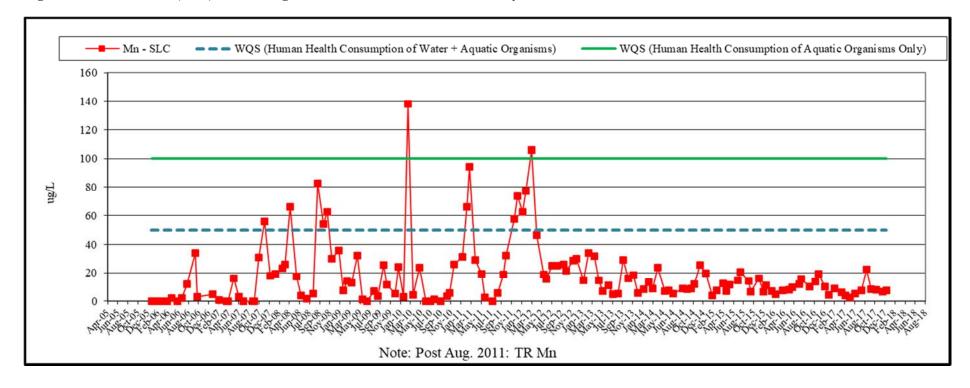


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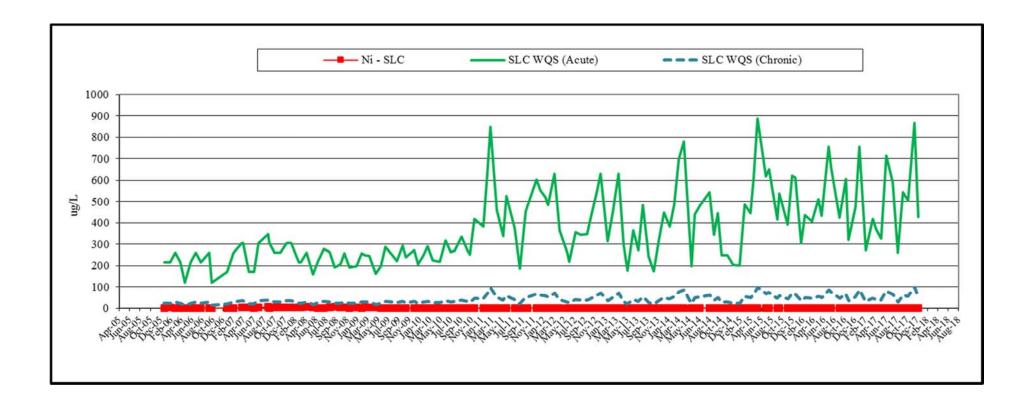


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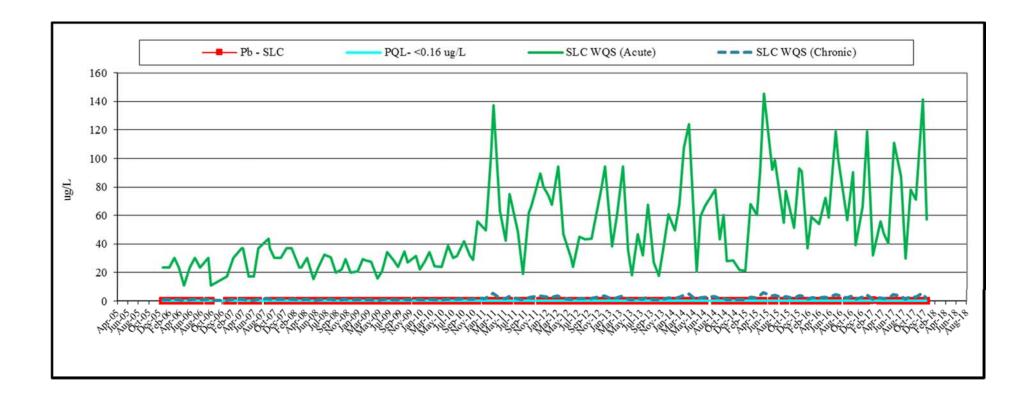


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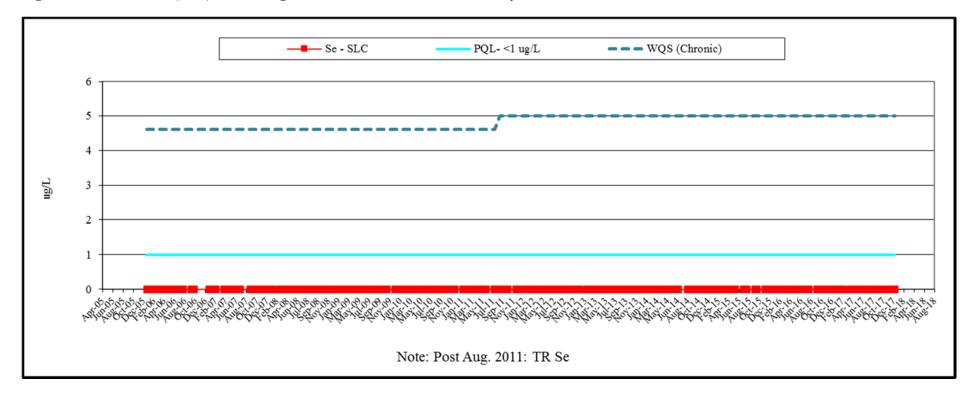


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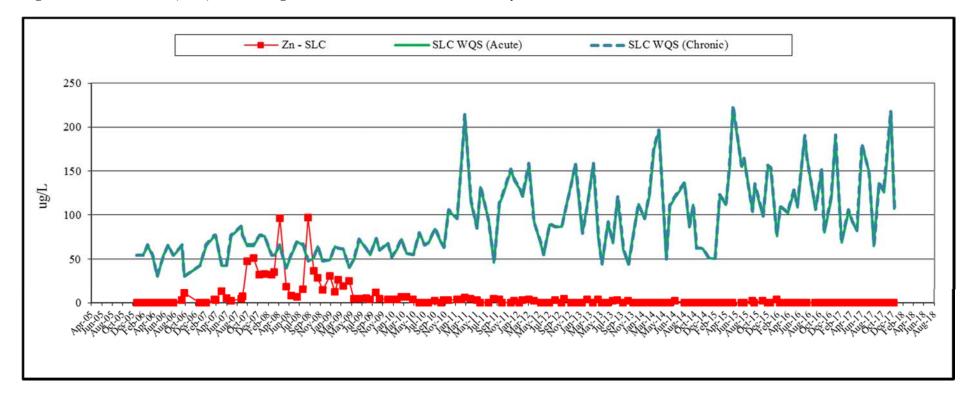


Figure 13a Sherman Creek (SH105) Monitoring Results 2006-2017, Field Parameters

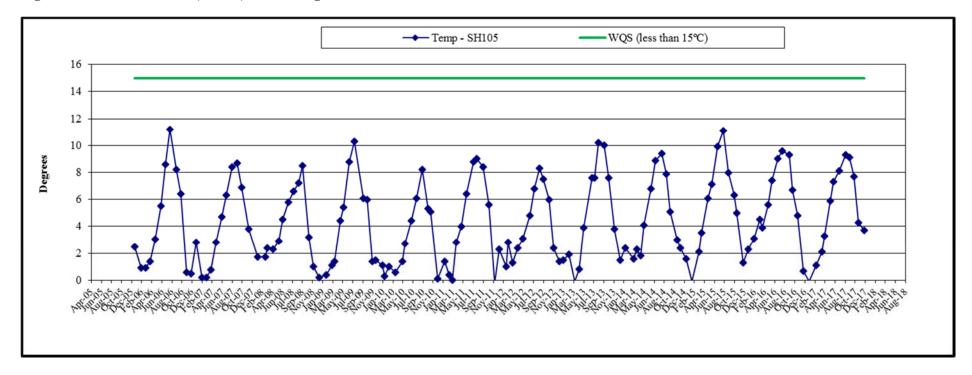


Figure 13a Sherman Creek (SH105) Monitoring Results 2006-2017, Field Parameters

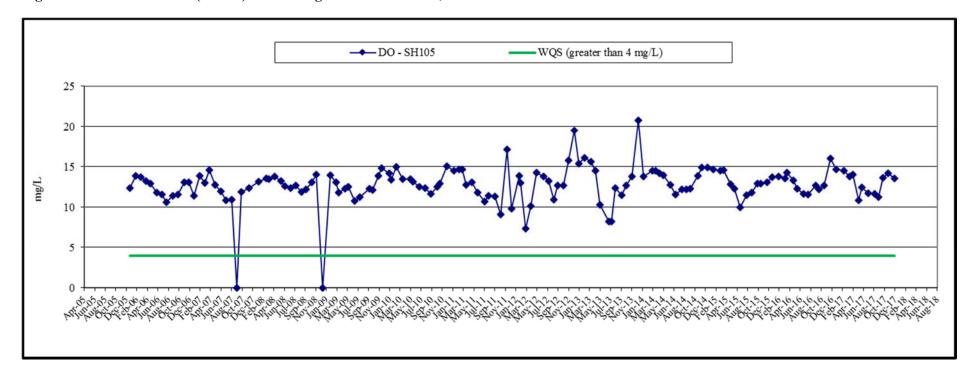


Figure 13a Sherman Creek (SH105) Monitoring Results 2006-2017, Field Parameters

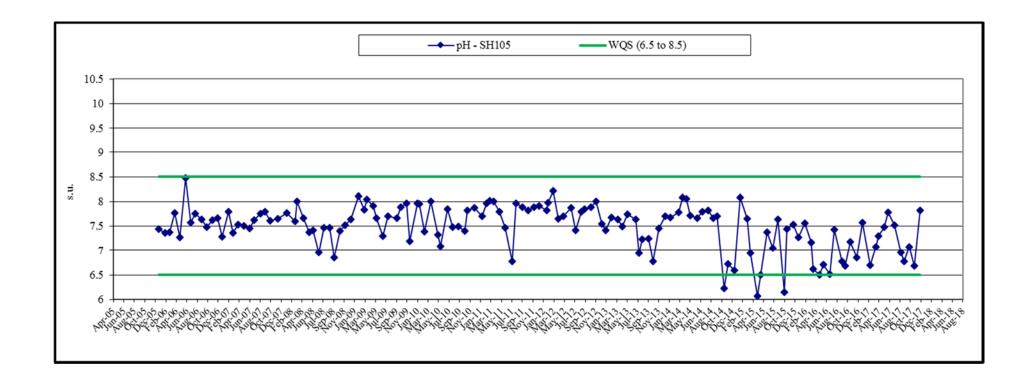


Figure 13a Sherman Creek (SH105) Monitoring Results 2006-2017, Field Parameters

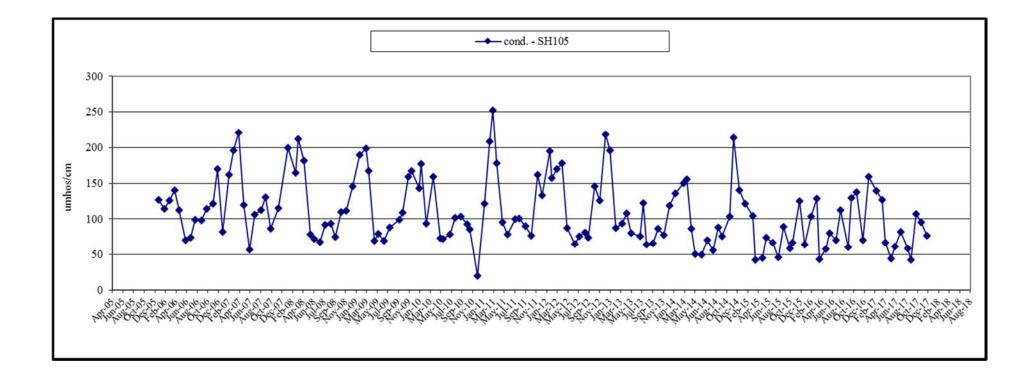


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

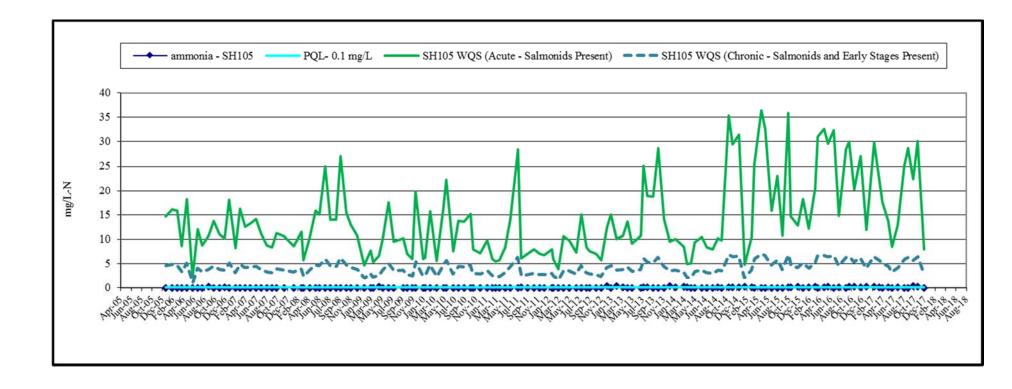


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

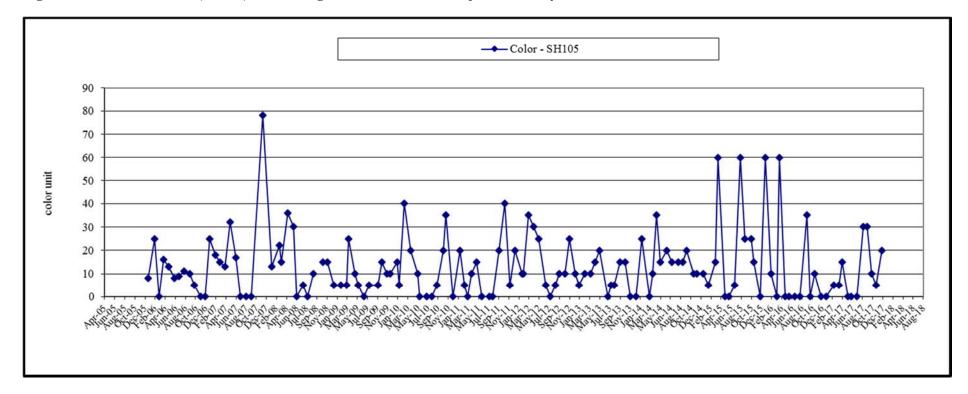


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

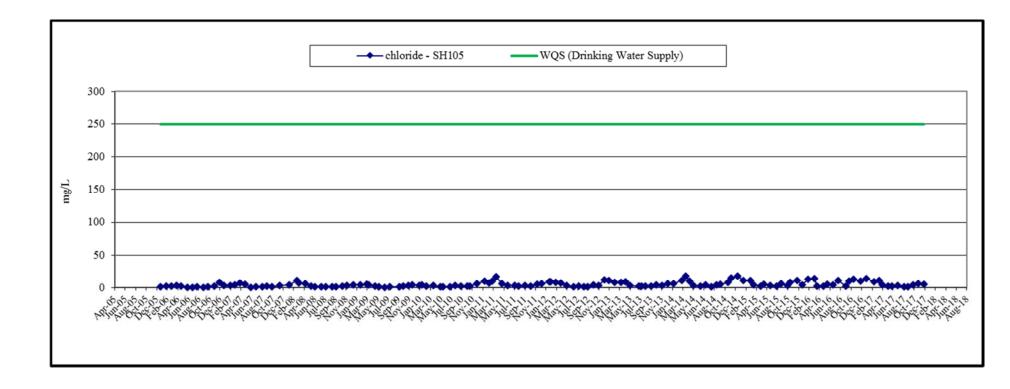


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

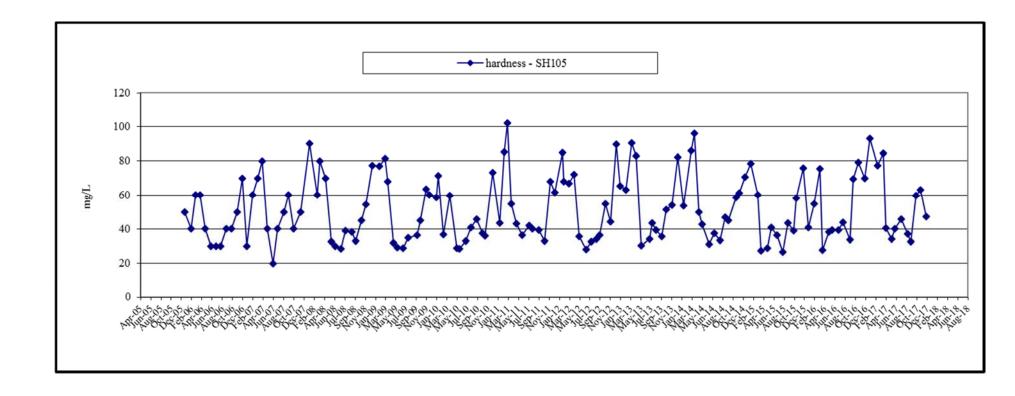


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

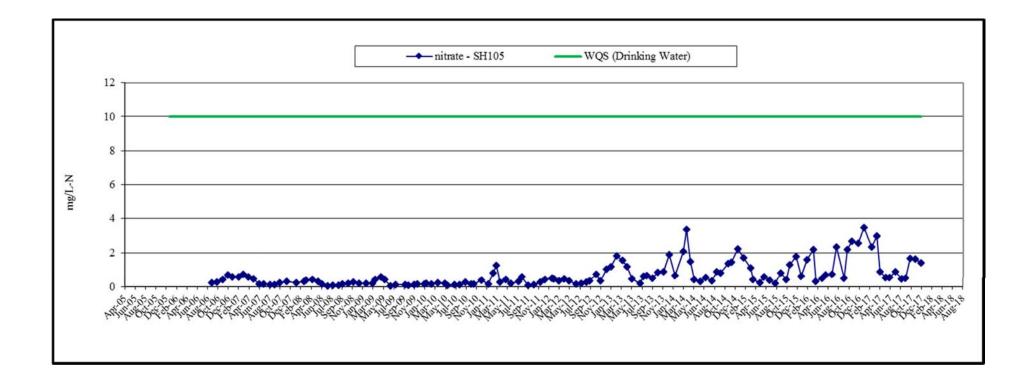


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

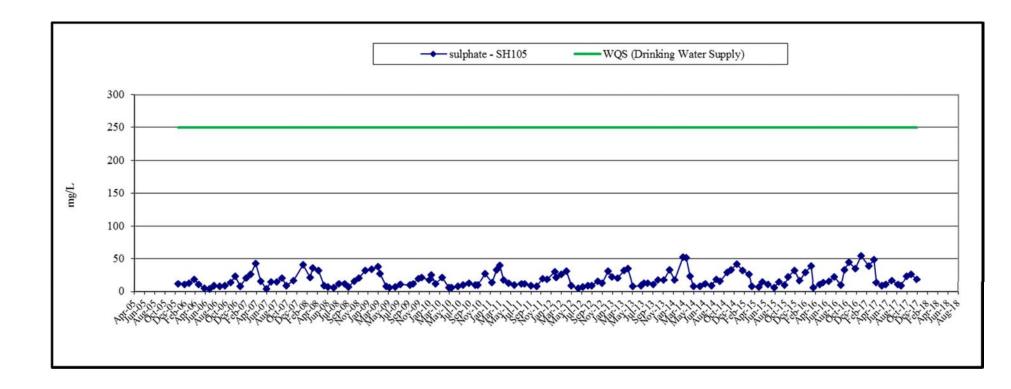


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

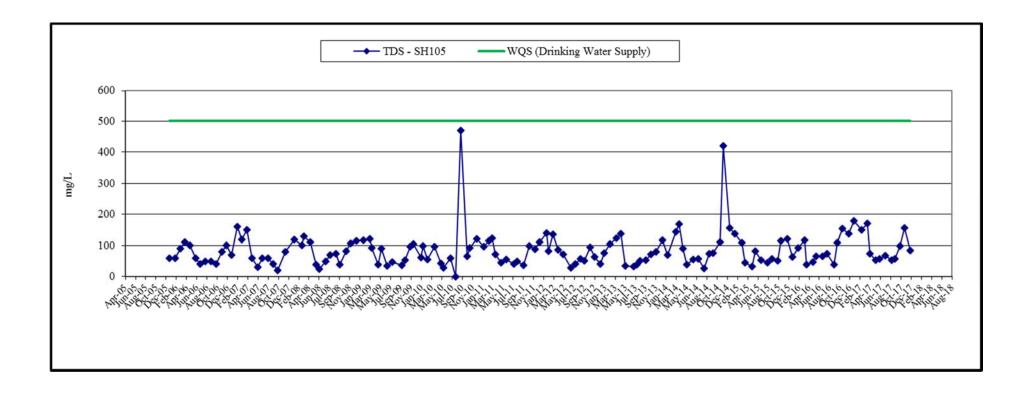


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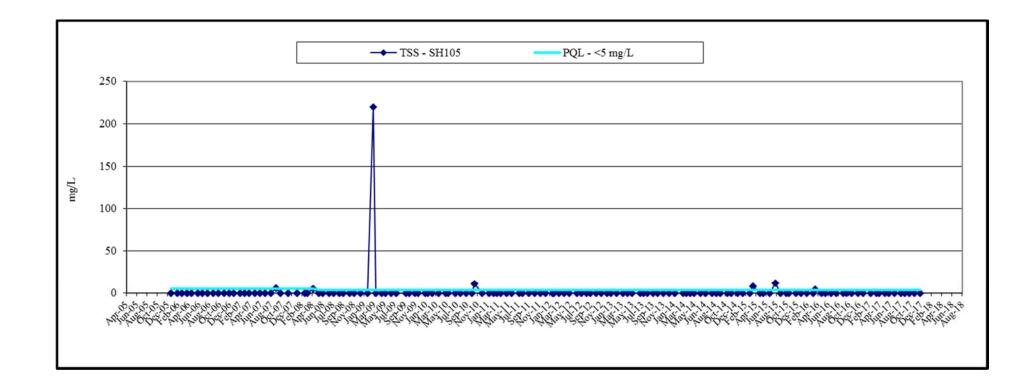


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

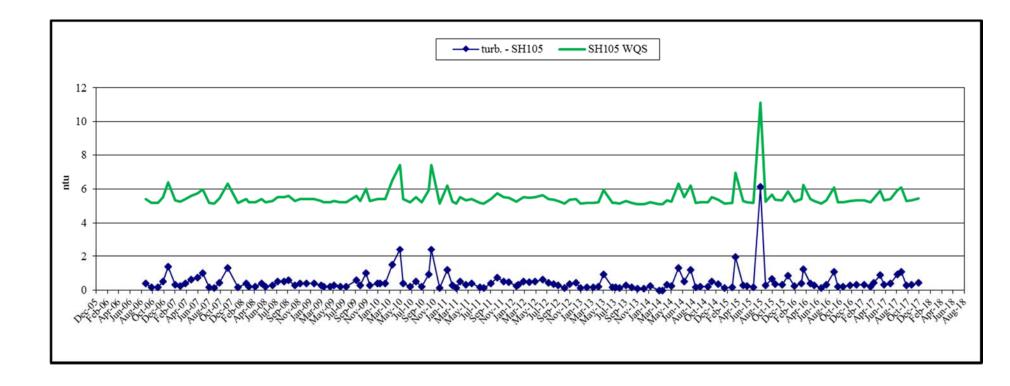


Figure 13b Sherman Creek (SH105) Monitoring Results 2006-2017, Major Chemistry

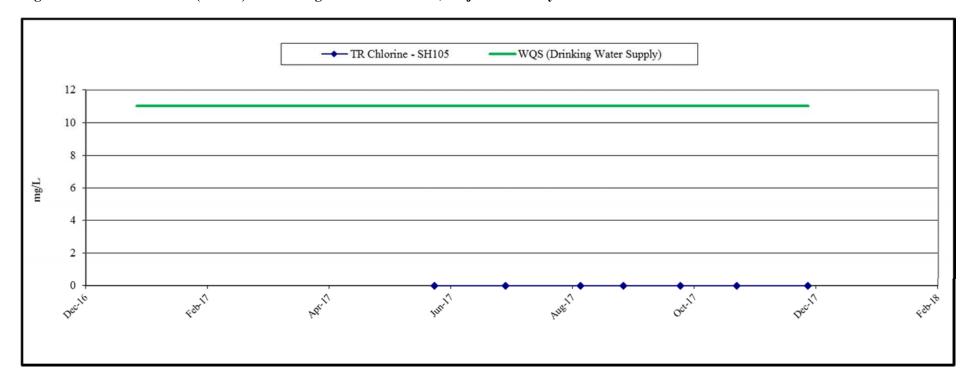


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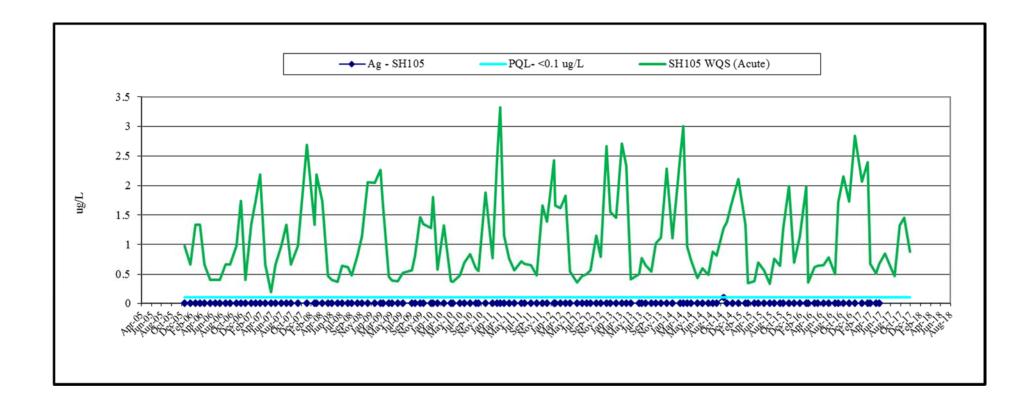


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

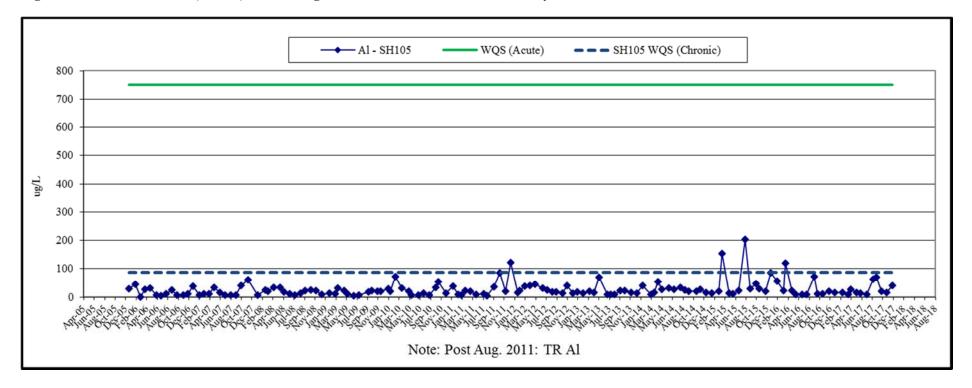


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

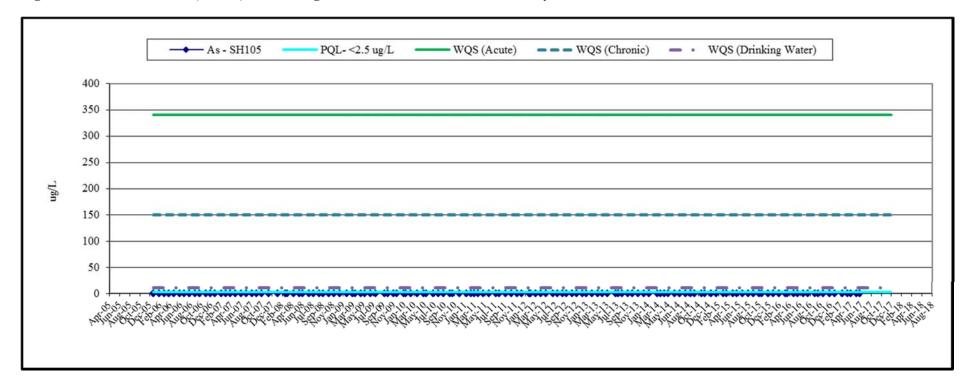


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

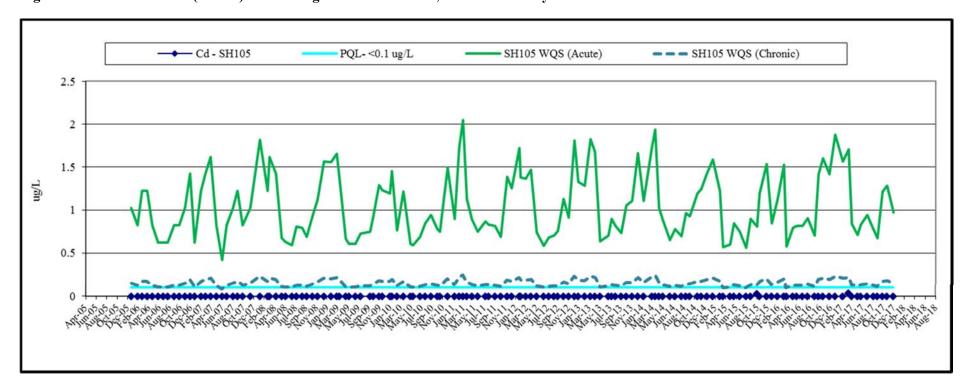


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

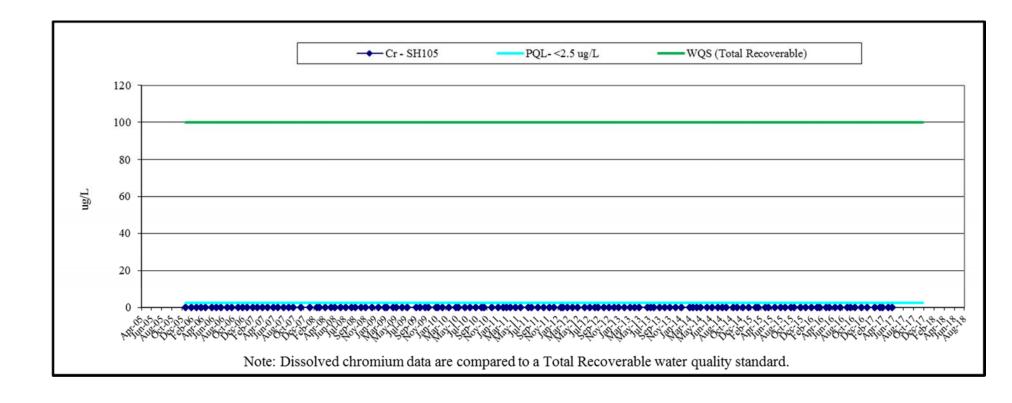


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

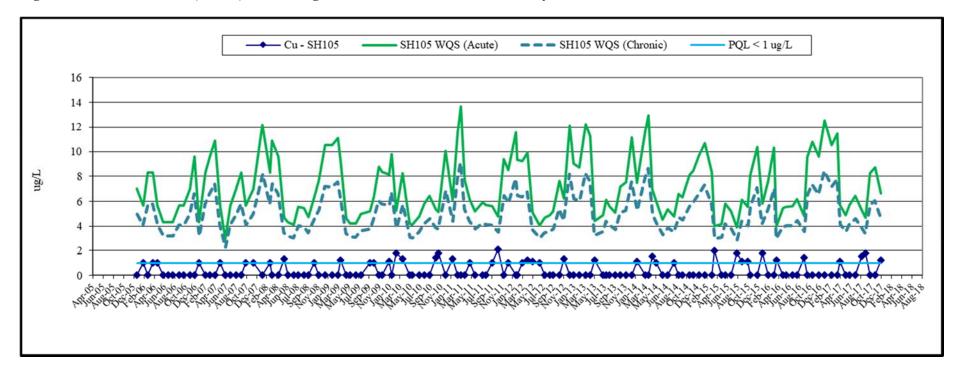


Figure 13c Sherman Creek (SH105) Monitoring Results 2006-2017, Trace Chemistry

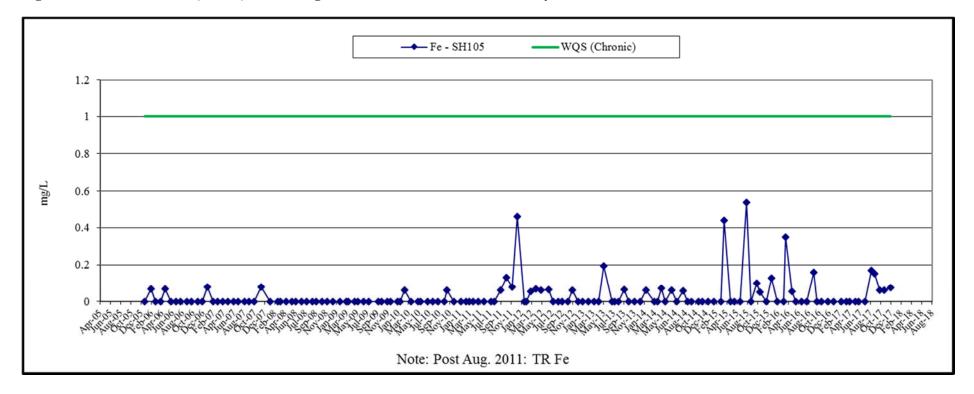


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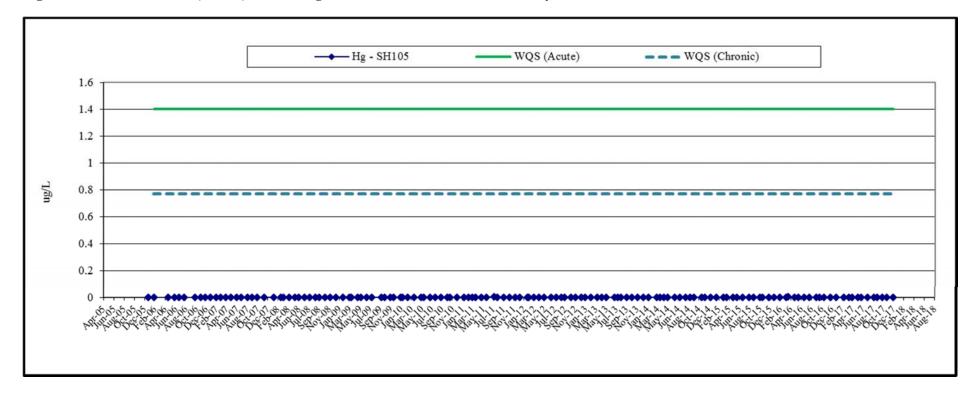


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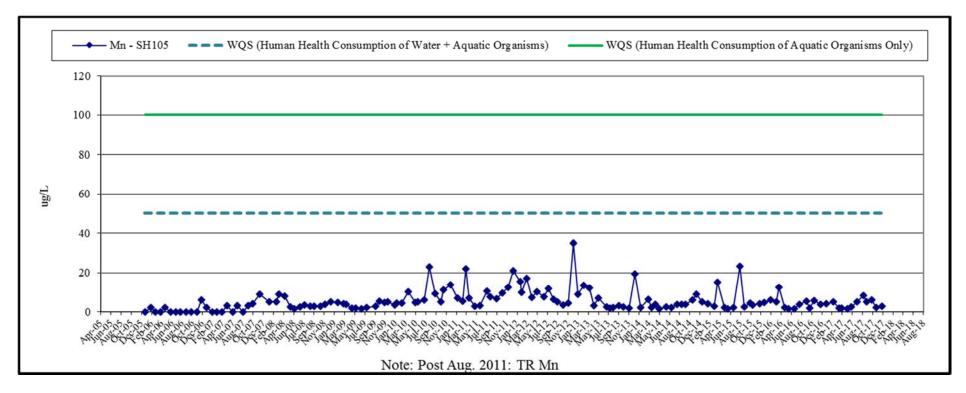


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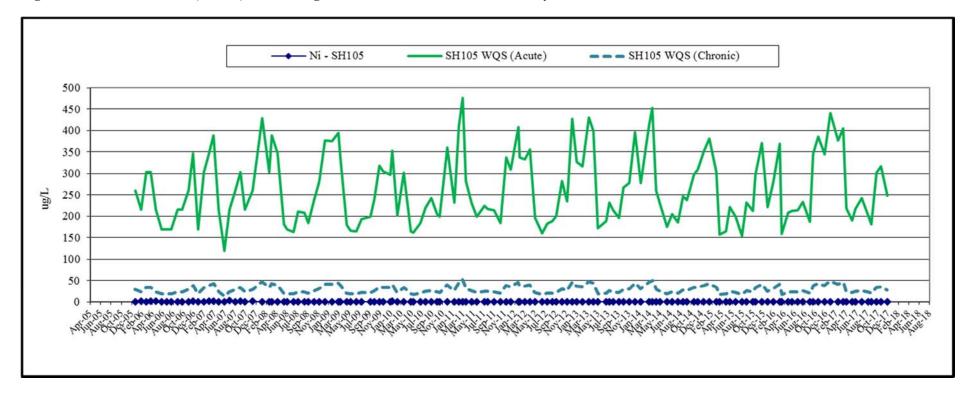


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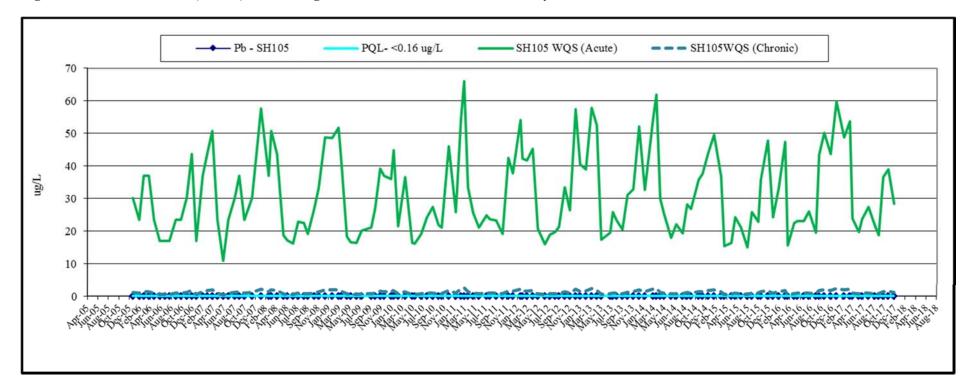


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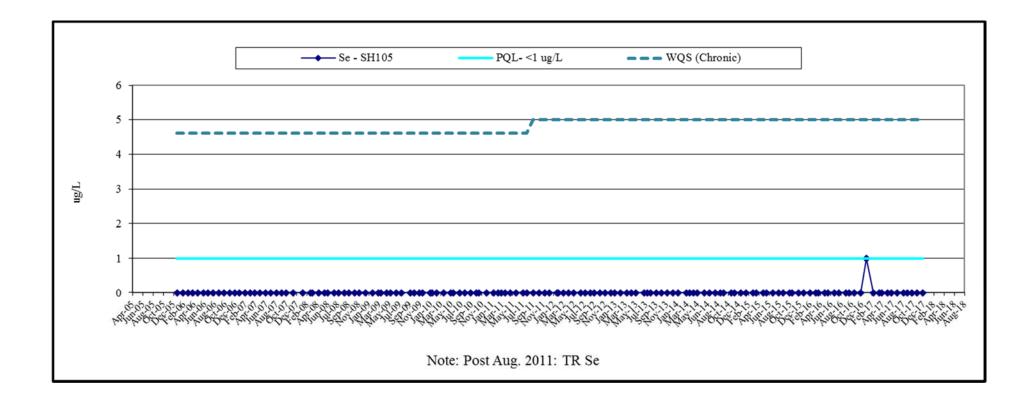


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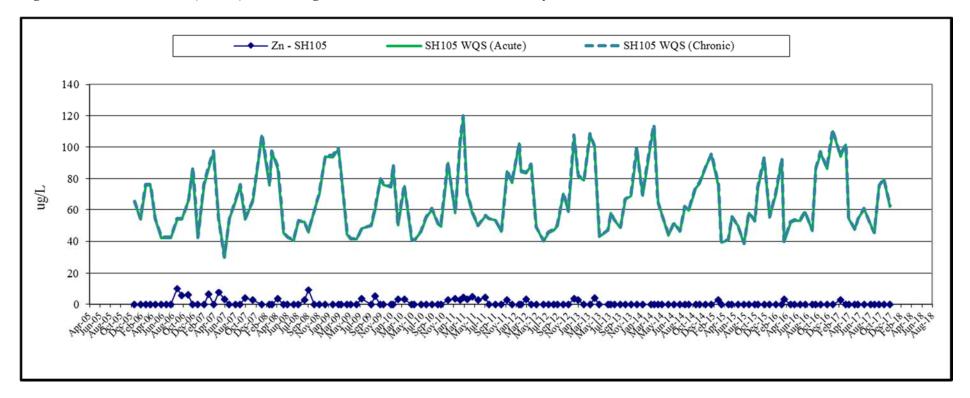


Figure 14a: Sherman Creek (SH109) Monitoring Results 2006-2017, Field Parameters

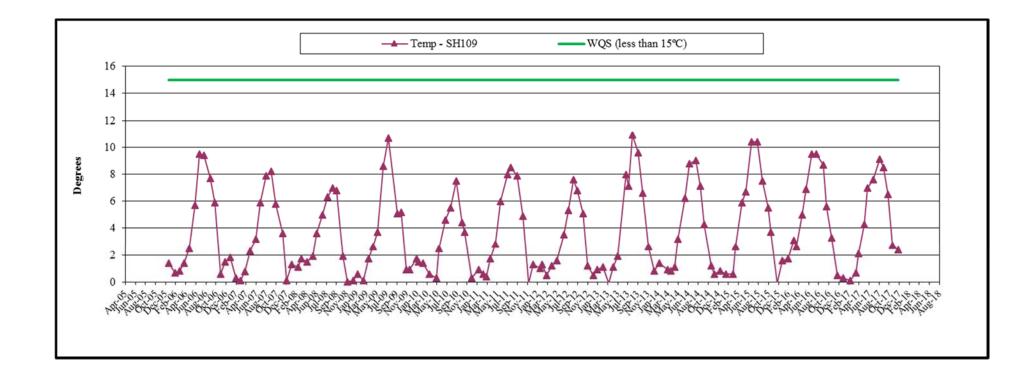


Figure 14a: Sherman Creek (SH109) Monitoring Results 2006-2017, Field Parameters

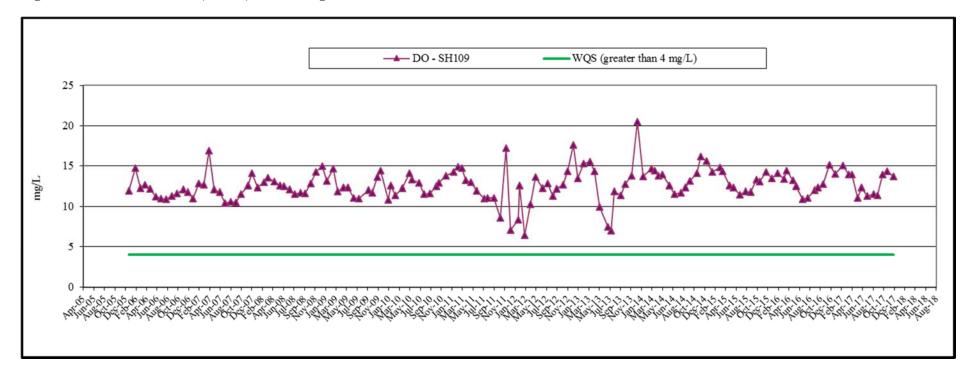


Figure 14a: Sherman Creek (SH109) Monitoring Results 2006-2017, Field Parameters

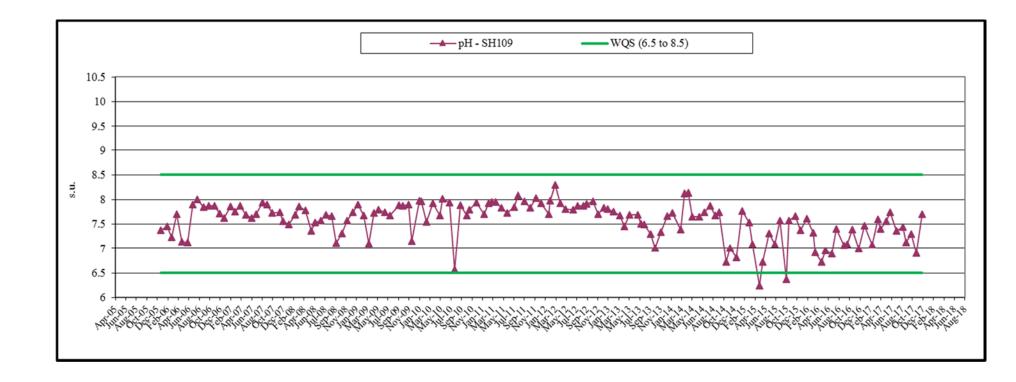


Figure 14a: Sherman Creek (SH109) Monitoring Results 2006-2017, Field Parameters

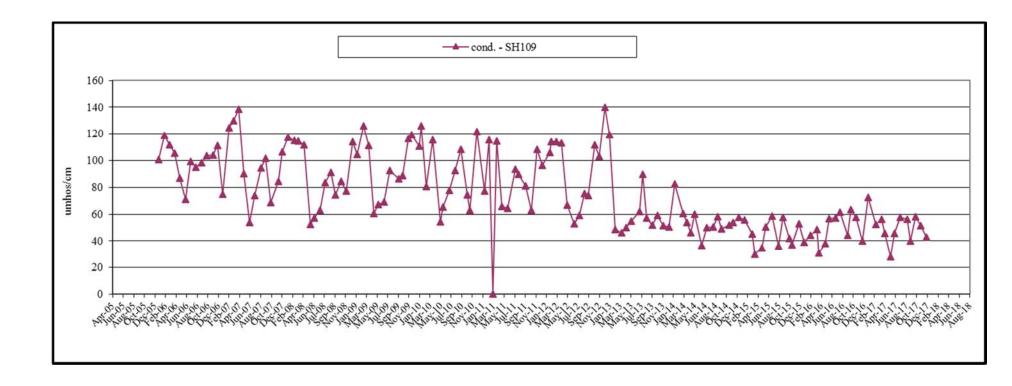


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

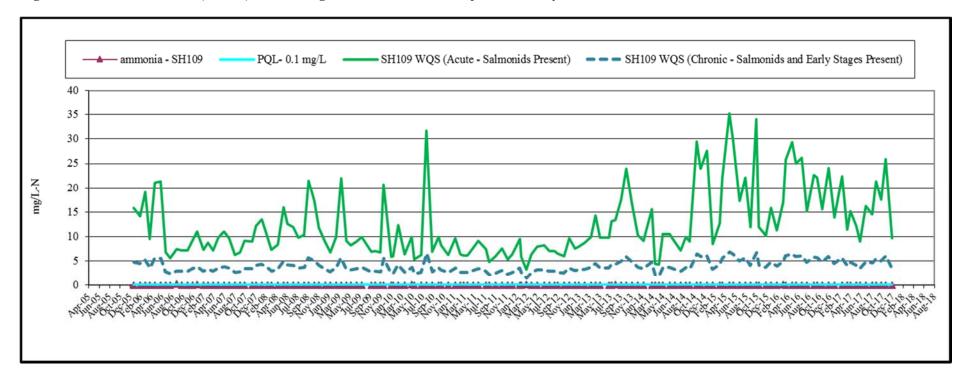


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

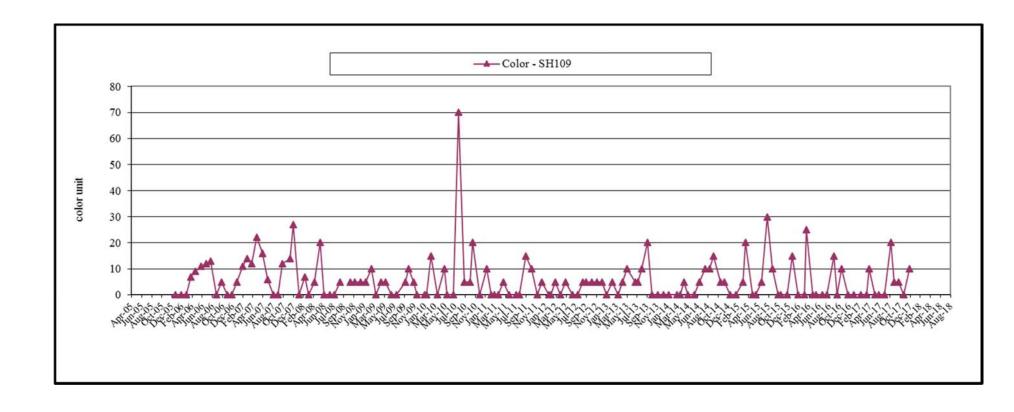


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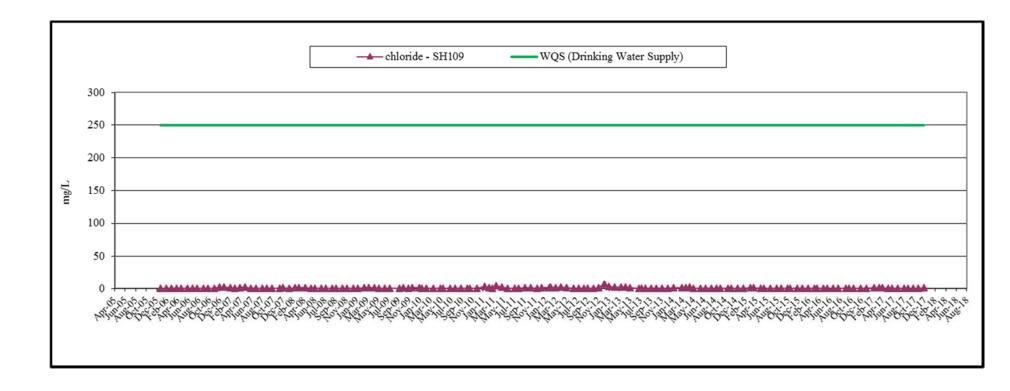


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

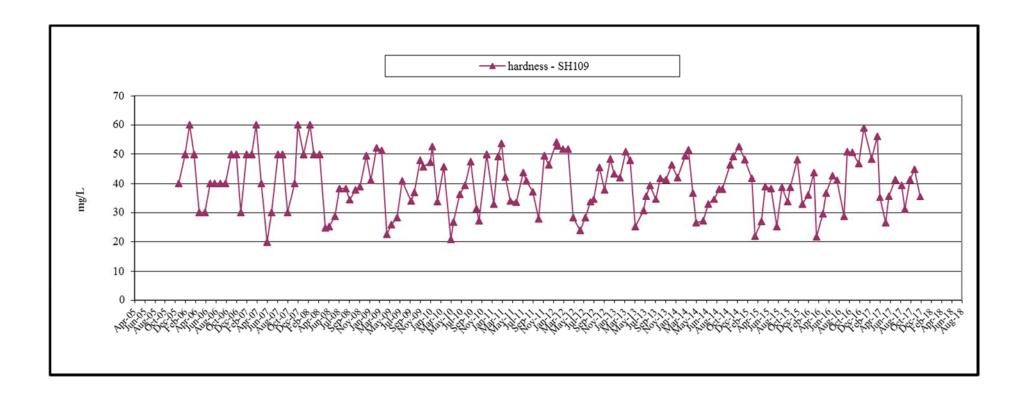


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

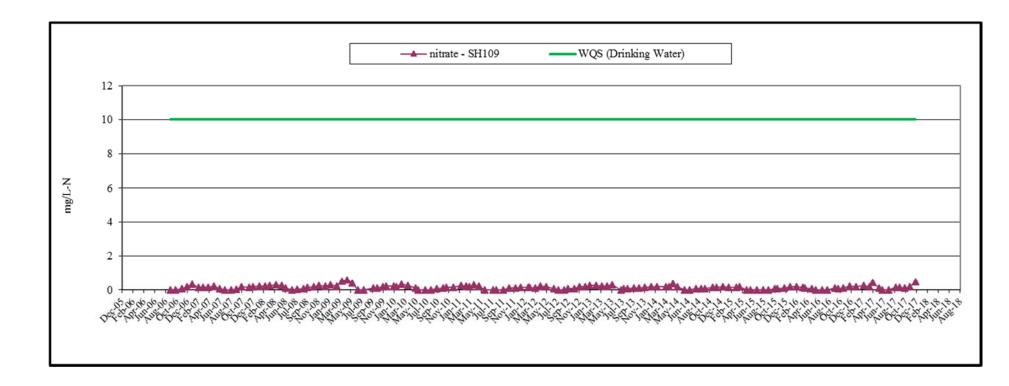


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

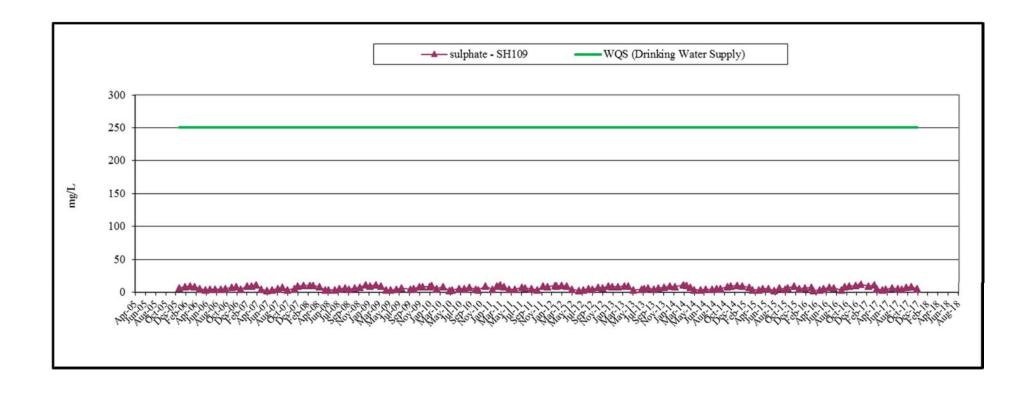


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

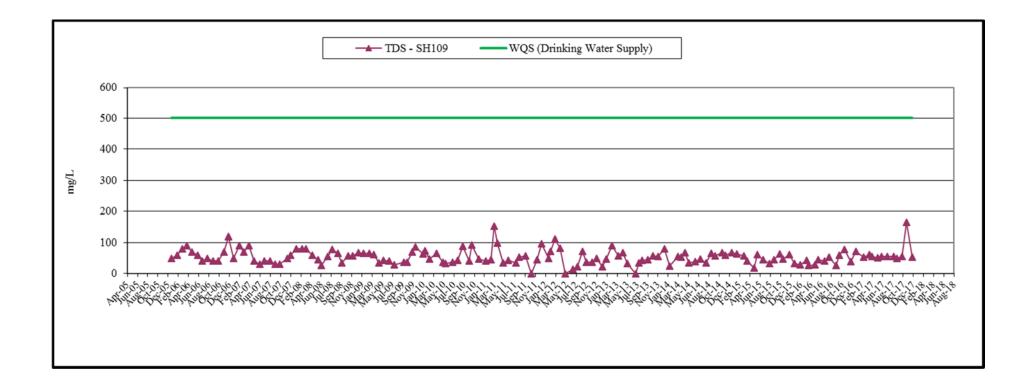


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

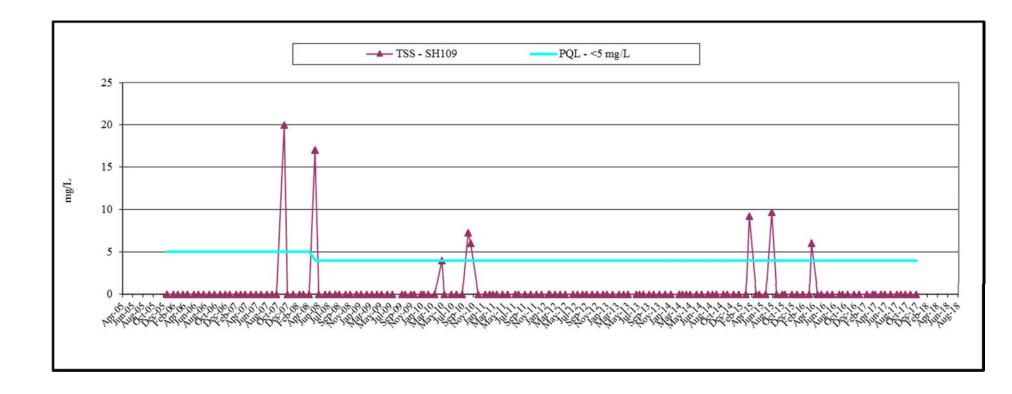


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

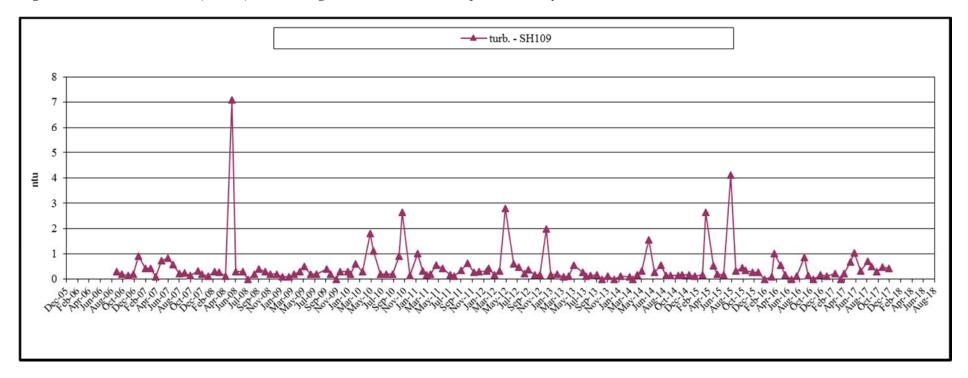


Figure 14b: Sherman Creek (SH109) Monitoring Results 2006-2017, Major Chemistry

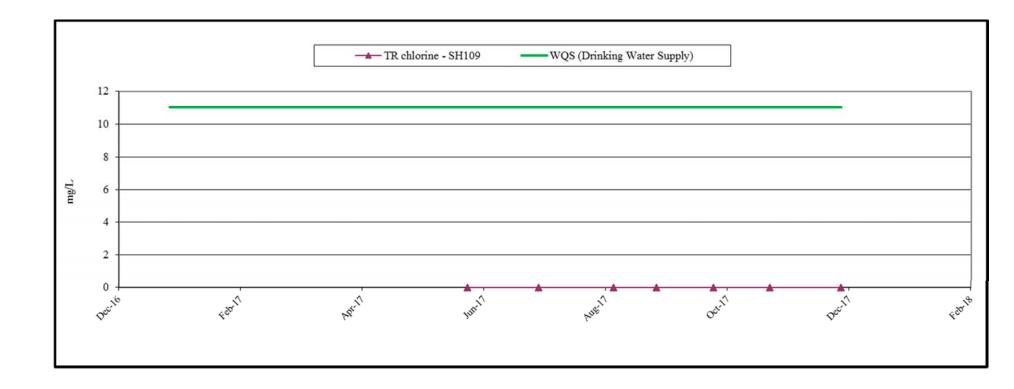


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

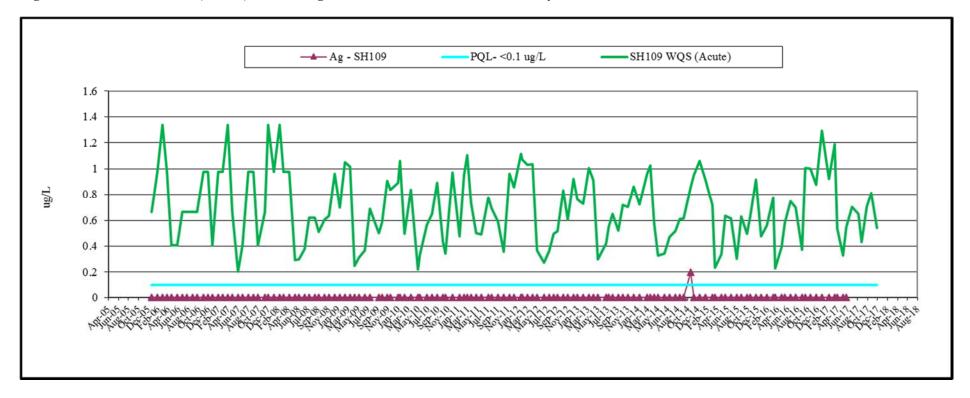


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

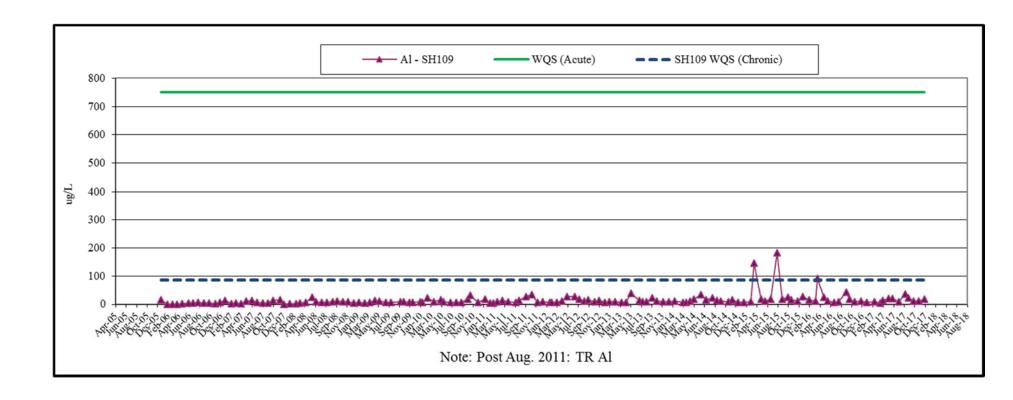


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

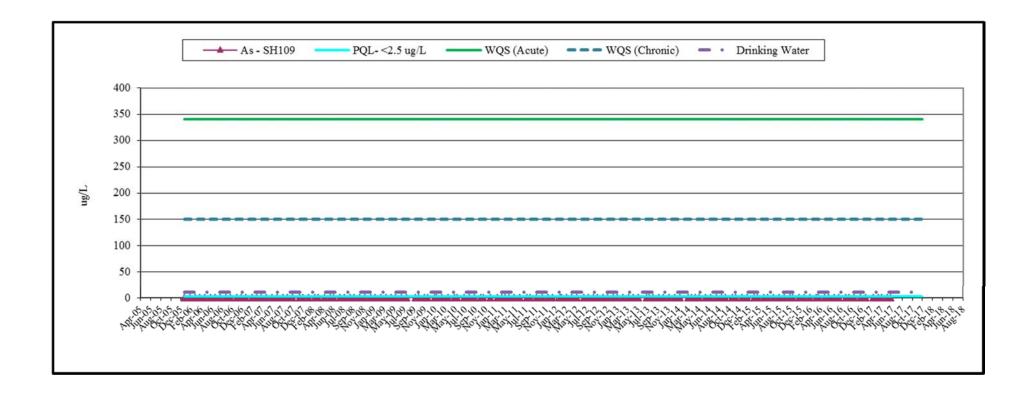


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

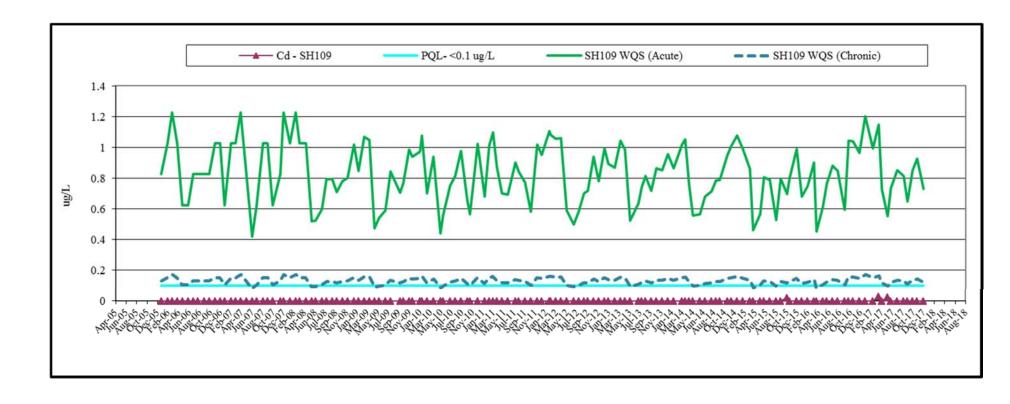


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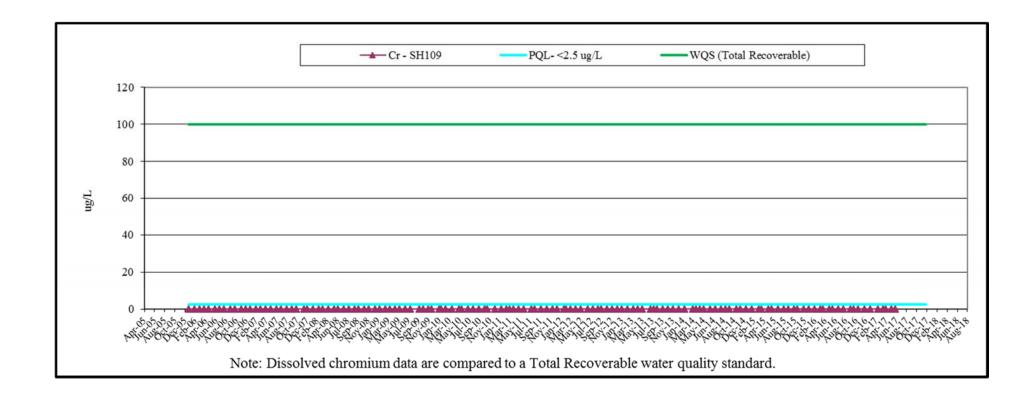


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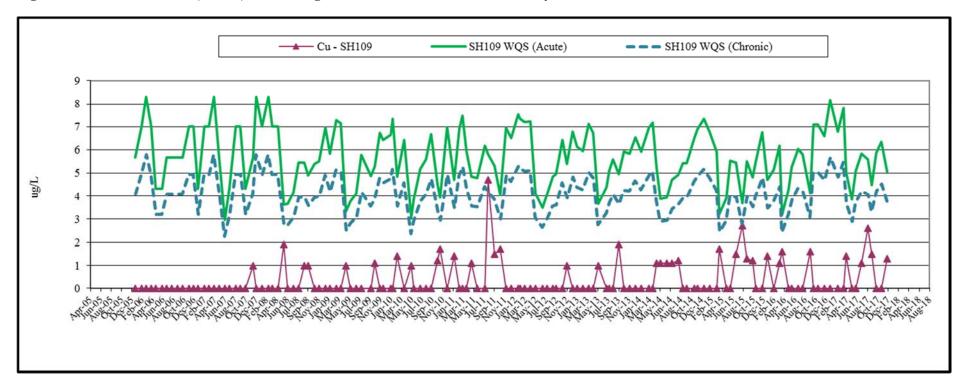


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

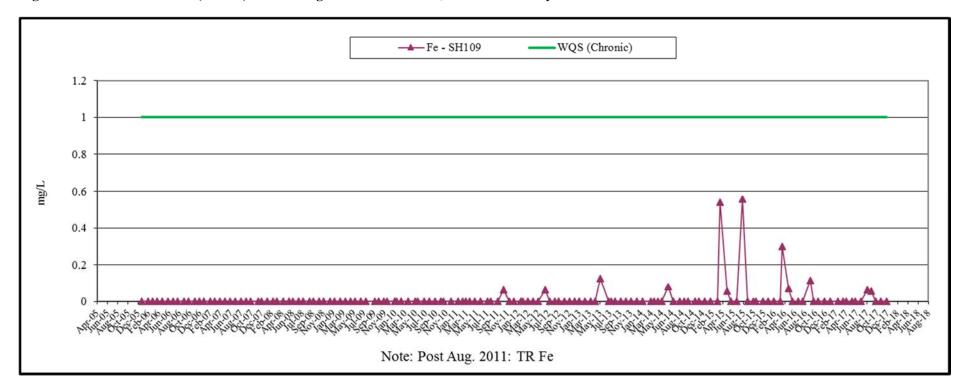


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

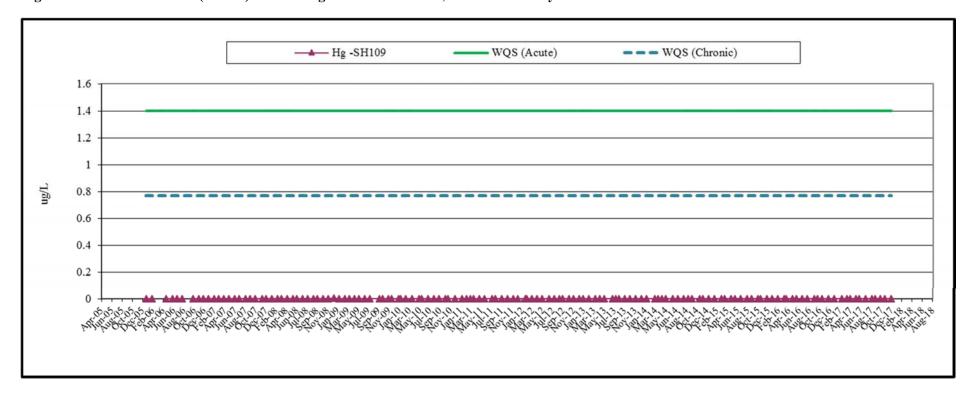
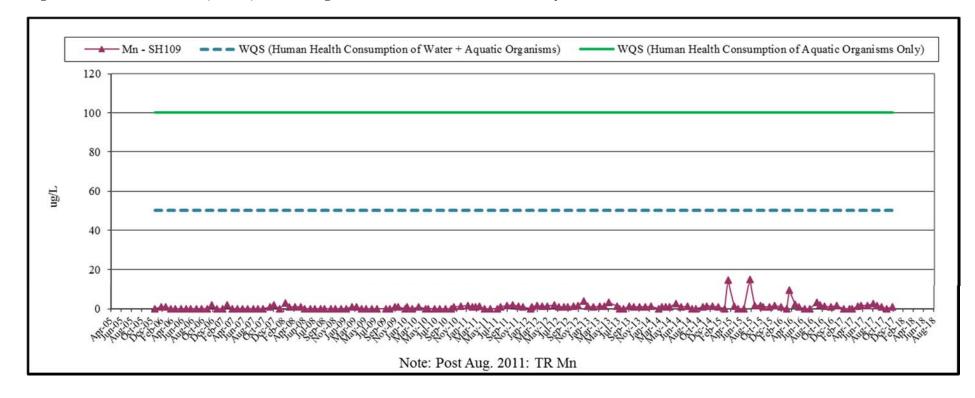


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry



Ni - SH109 WQS (Acute) - SH109 WQS (Chronic)

Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

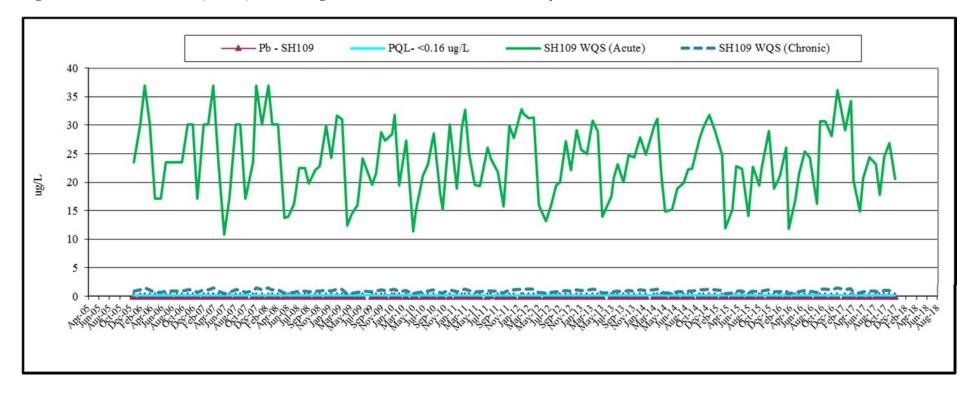


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

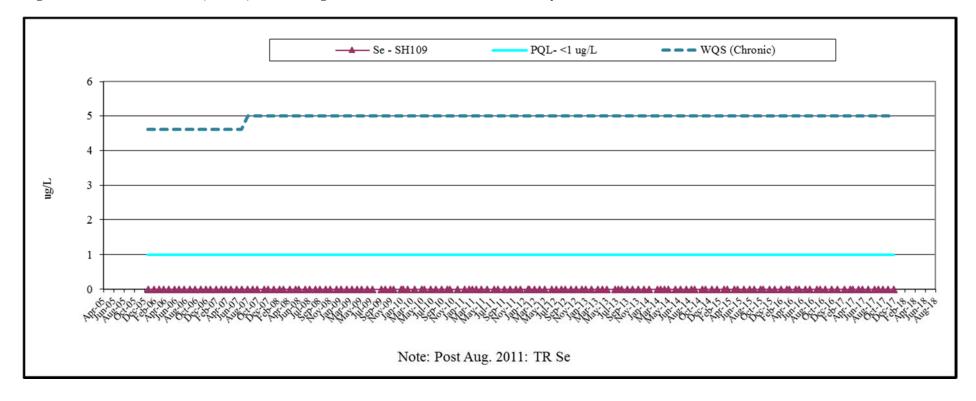


Figure 14c: Sherman Creek (SH109) Monitoring Results 2006-2017, Trace Chemistry

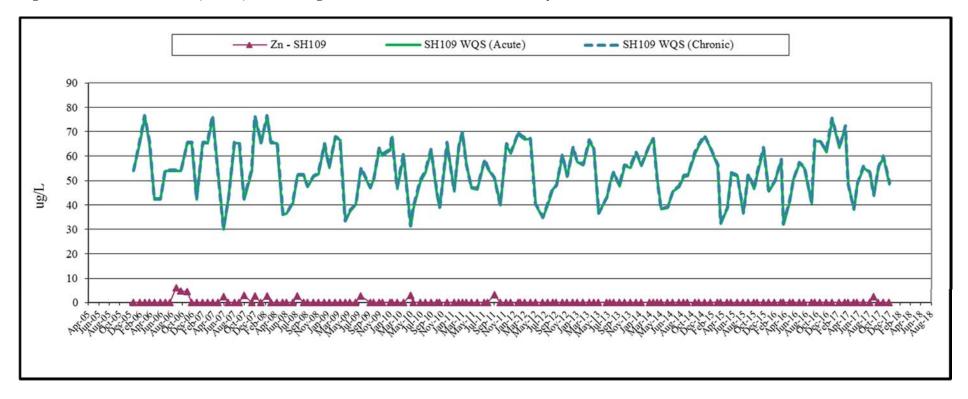


Figure 15a: Sherman Creek (SH113) Monitoring Results 2007-2017, Field Parameters

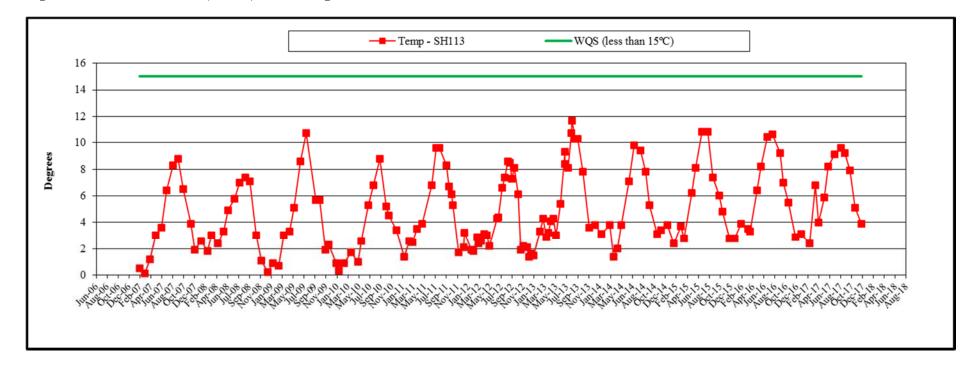


Figure 15a: Sherman Creek (SH113) Monitoring Results 2007-2017, Field Parameters

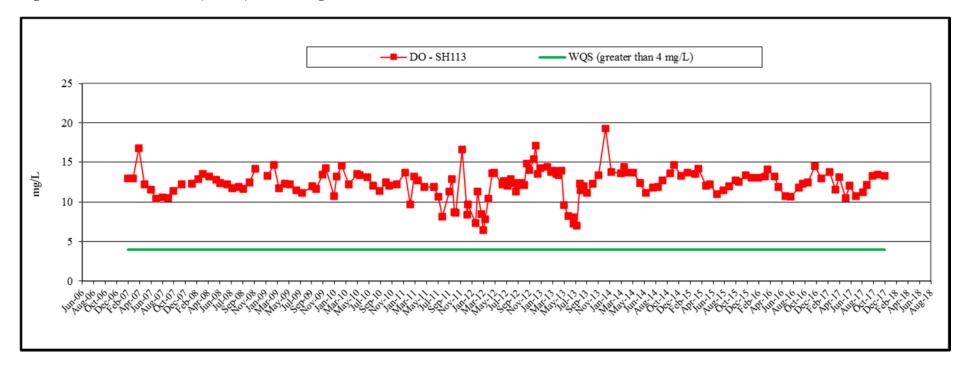


Figure 15a: Sherman Creek (SH113) Monitoring Results 2007-2017, Field Parameters

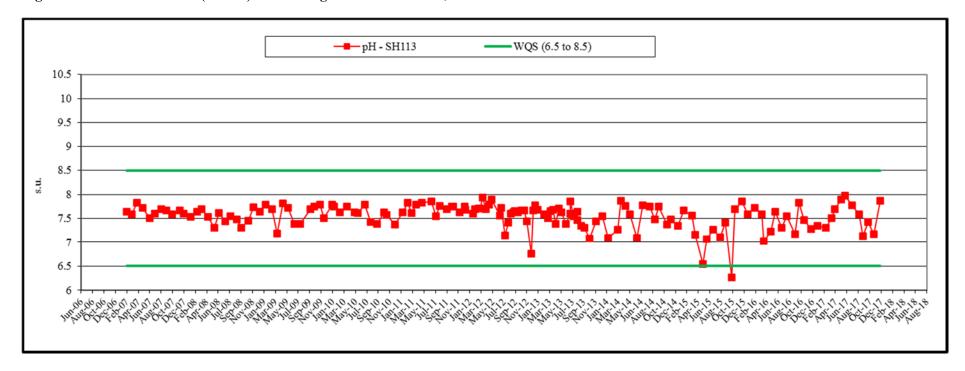


Figure 15a: Sherman Creek (SH113) Monitoring Results 2007-2017, Field Parameters

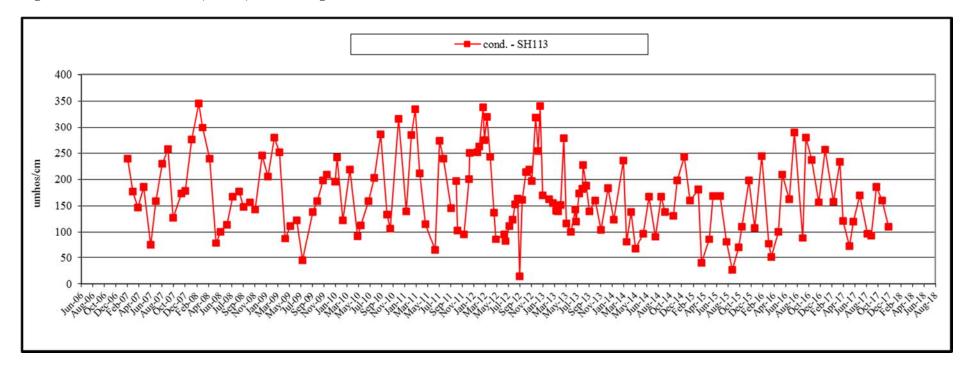


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

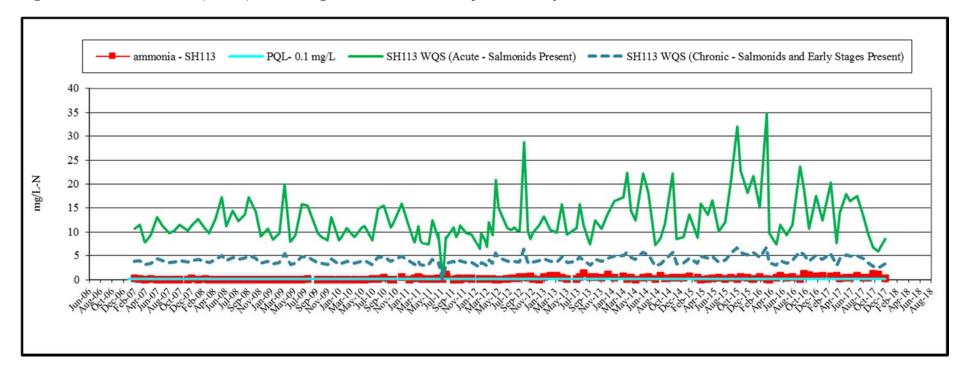


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

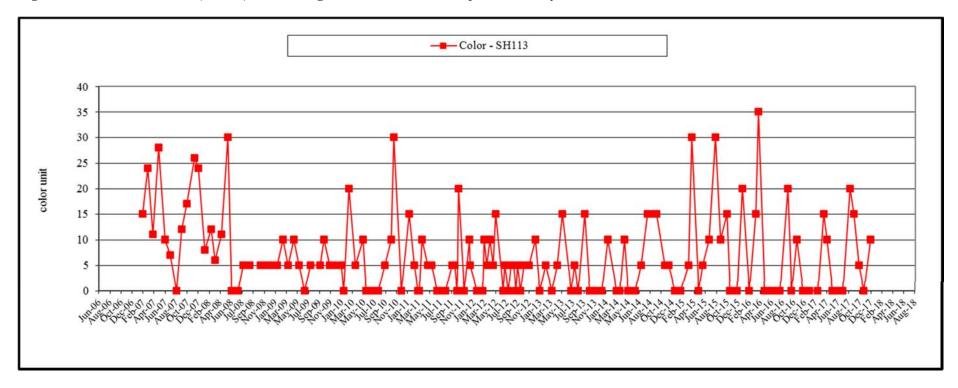


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

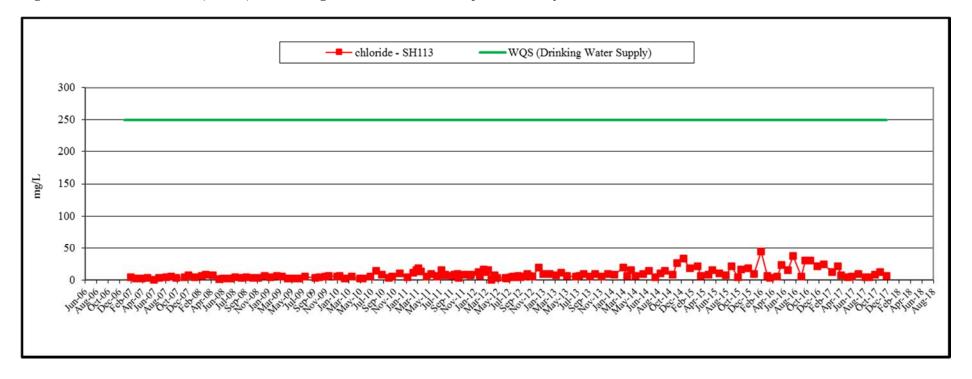


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

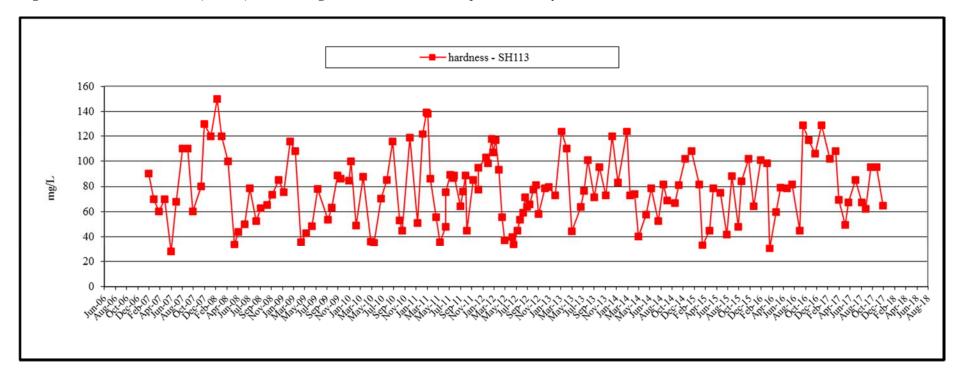


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

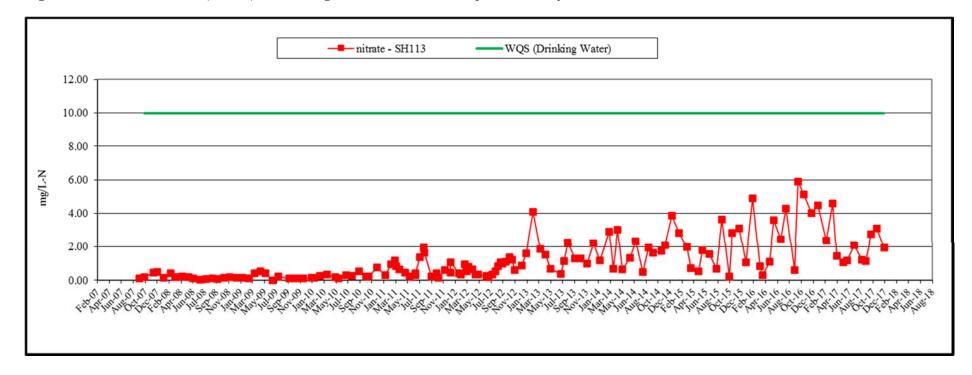


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

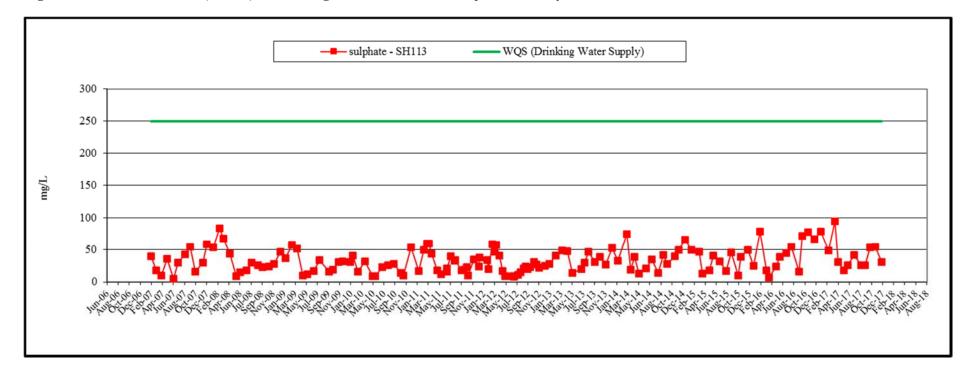


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

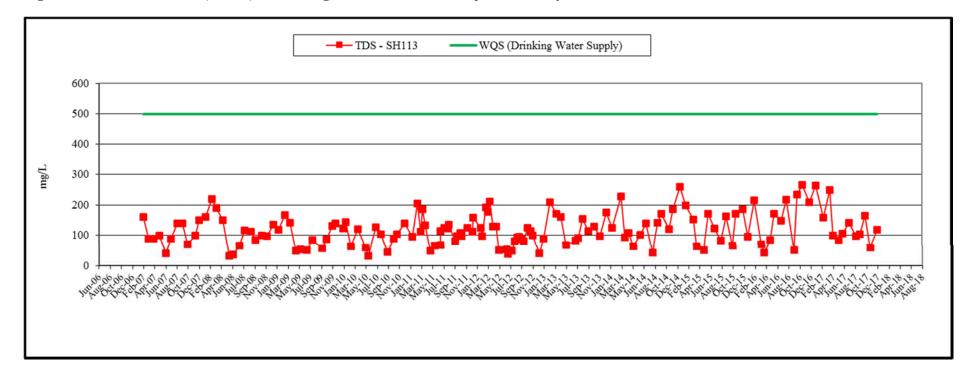


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

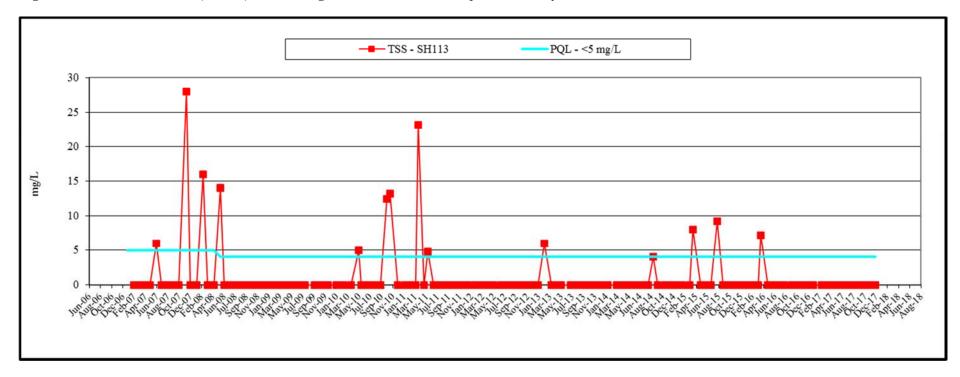


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

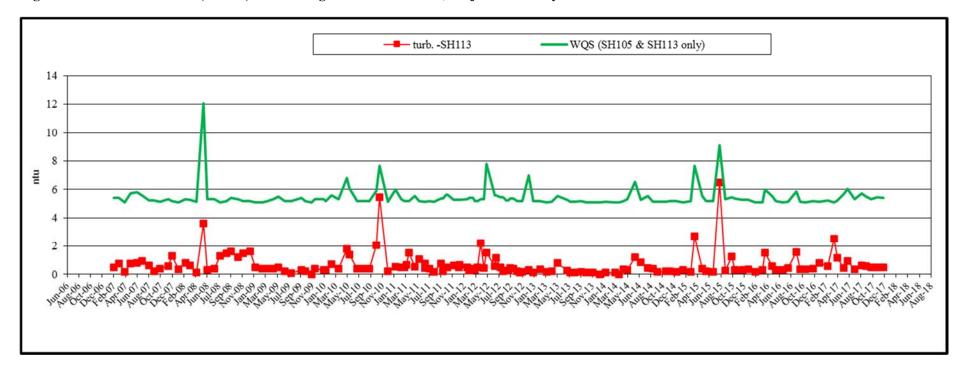


Figure 15b: Sherman Creek (SH113) Monitoring Results 2007-2017, Major Chemistry

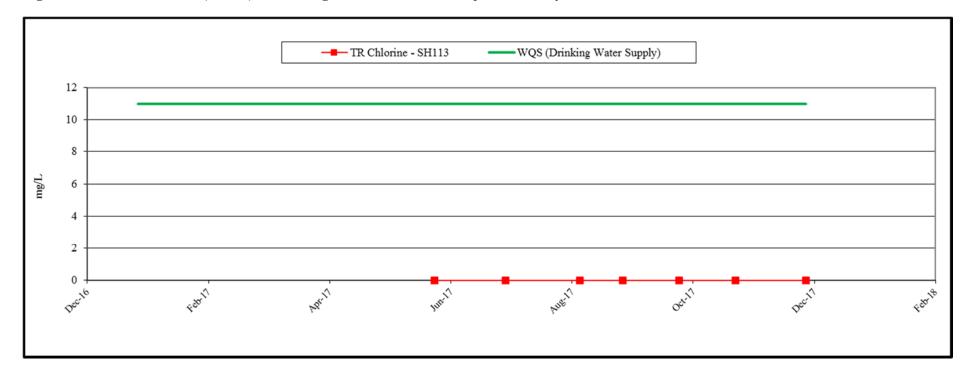


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

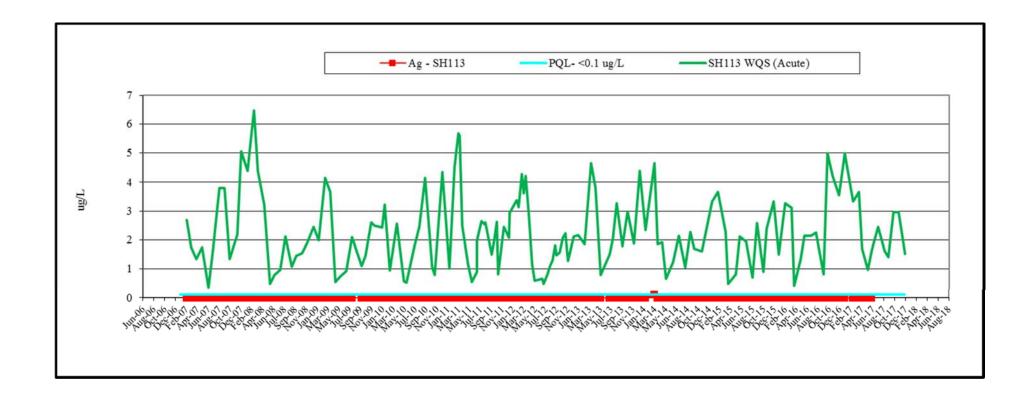


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

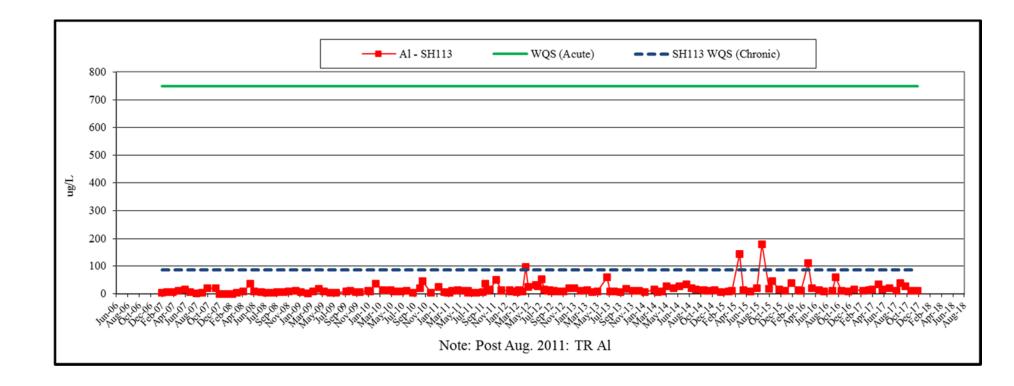


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

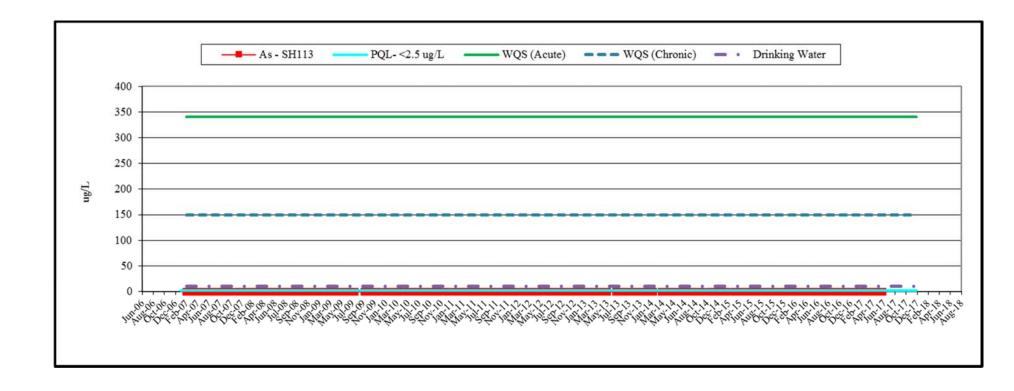


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

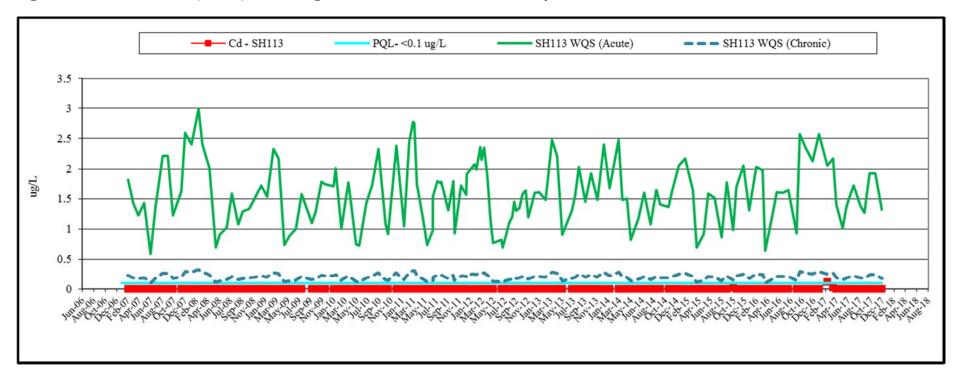


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

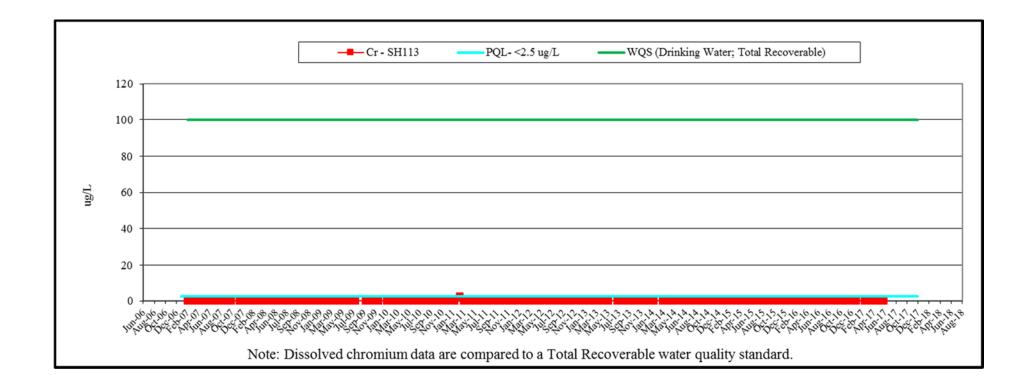


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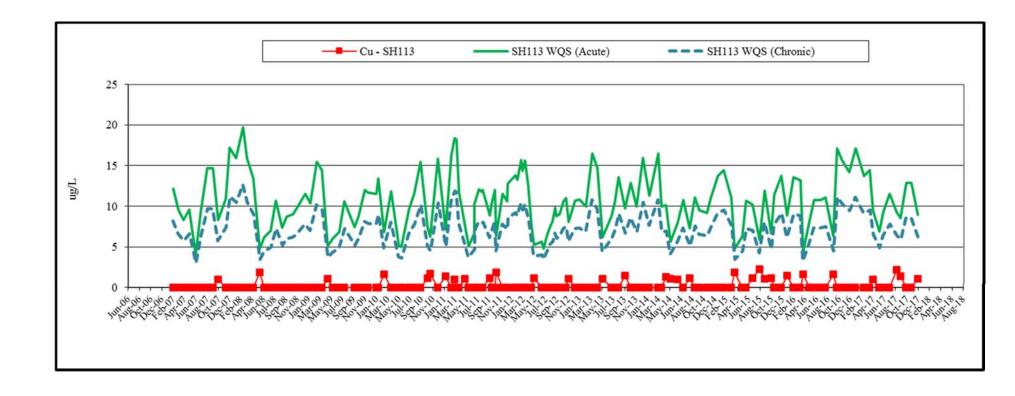


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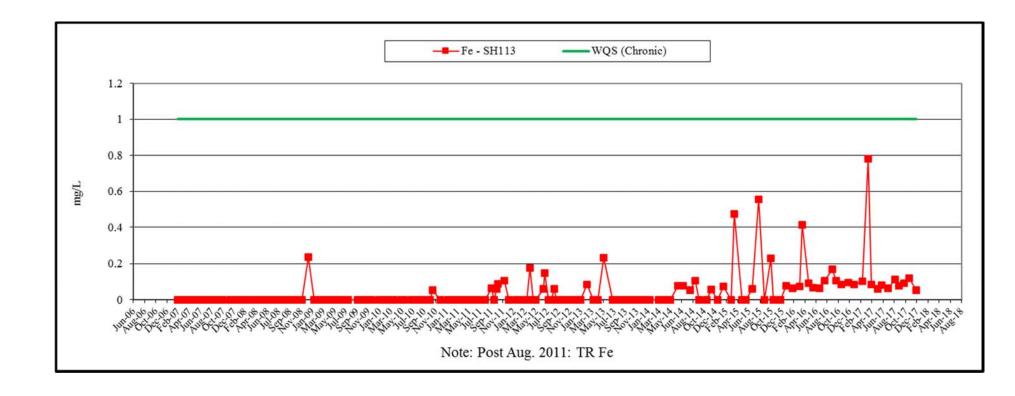


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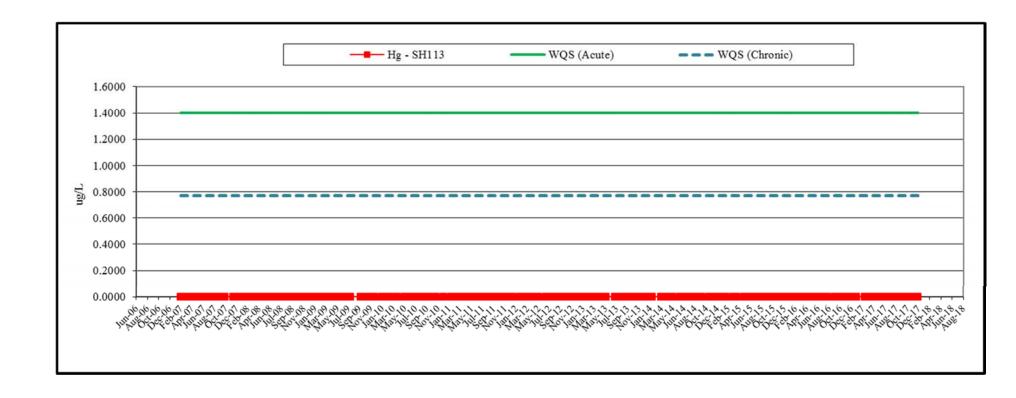


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

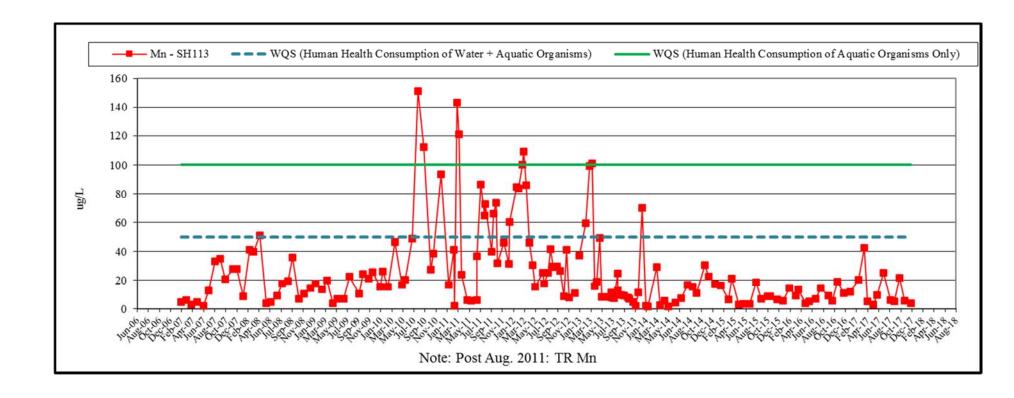


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

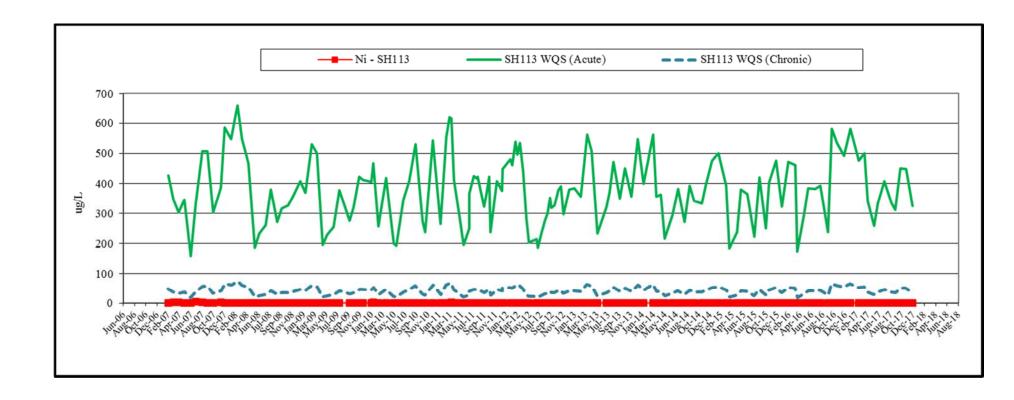


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

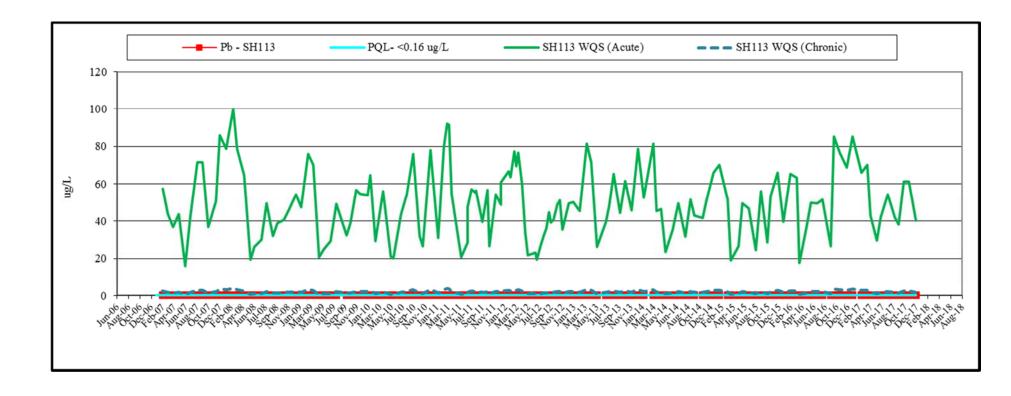


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

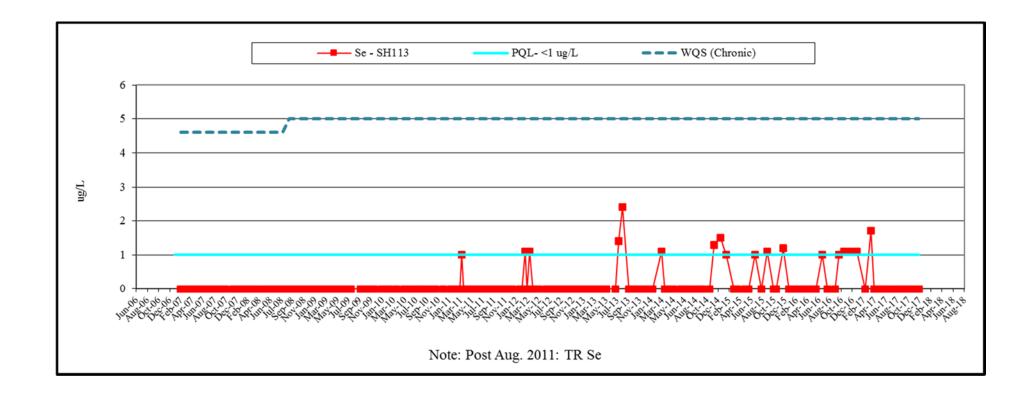


Figure 15c: Sherman Creek (SH113) Monitoring Results 2007-2017, Trace Chemistry

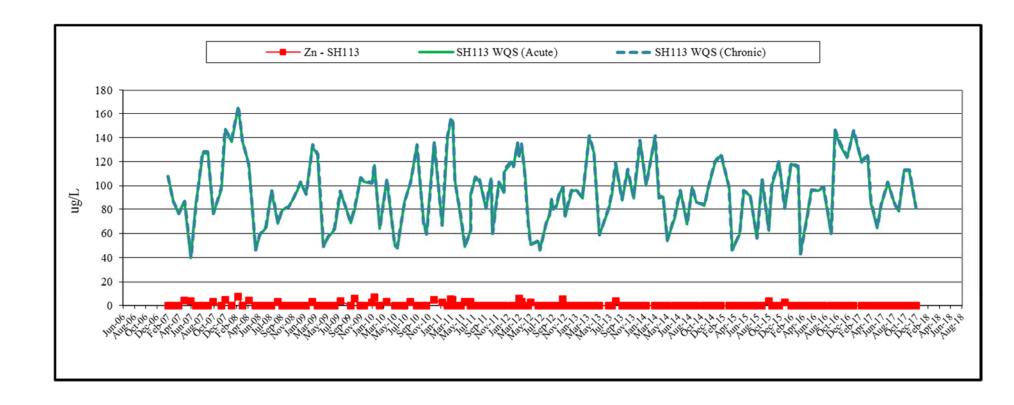


Figure 16a: Ophir Creek (SH103) Monitoring Results 2006-2017, Field Parameters

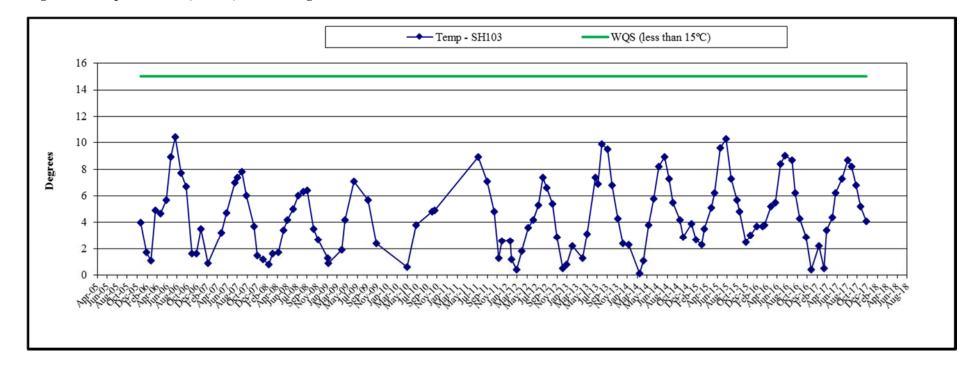


Figure 16a: Ophir Creek (SH103) Monitoring Results 2006-2017, Field Parameters

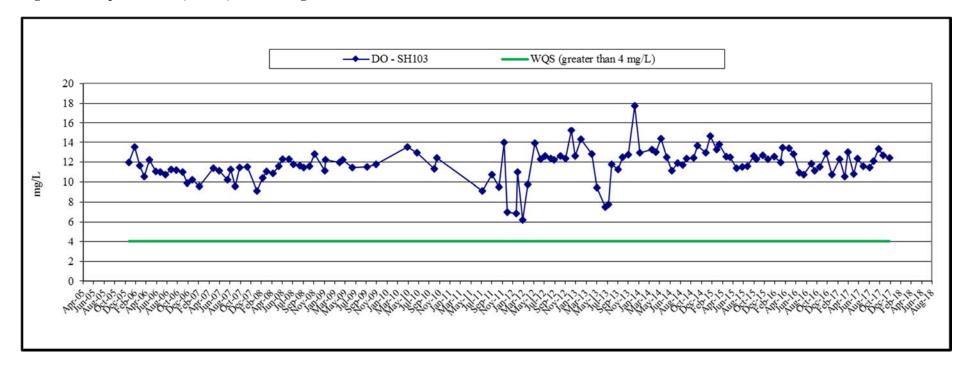


Figure 16a: Ophir Creek (SH103) Monitoring Results 2006-2017, Field Parameters

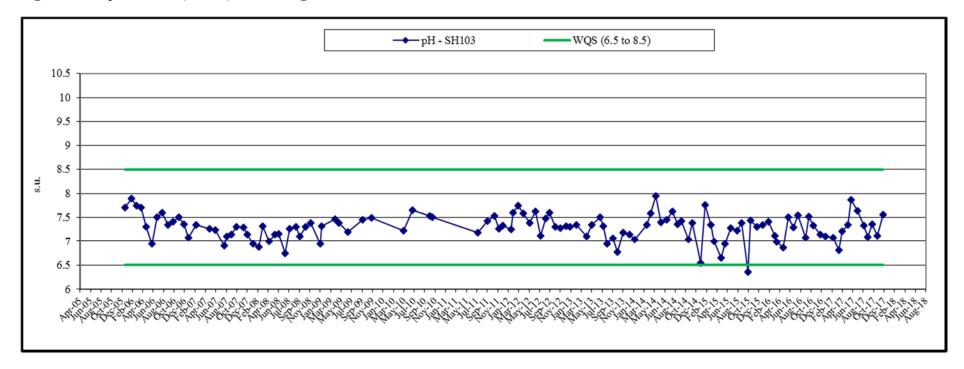


Figure 16a: Ophir Creek (SH103) Monitoring Results 2006-2017, Field Parameters

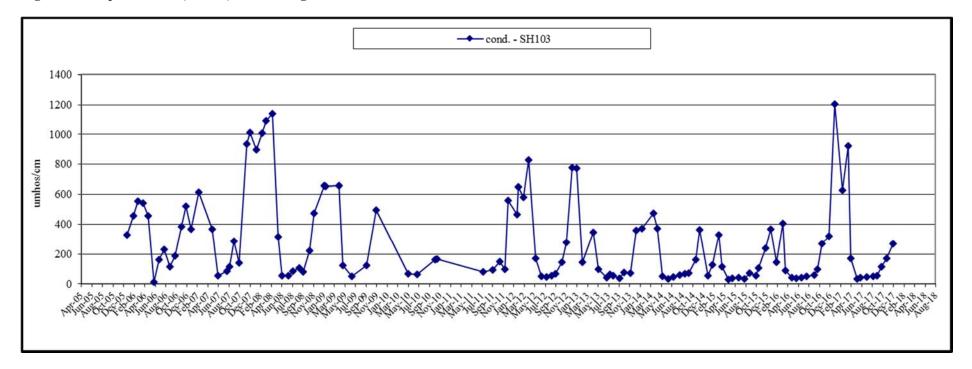


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

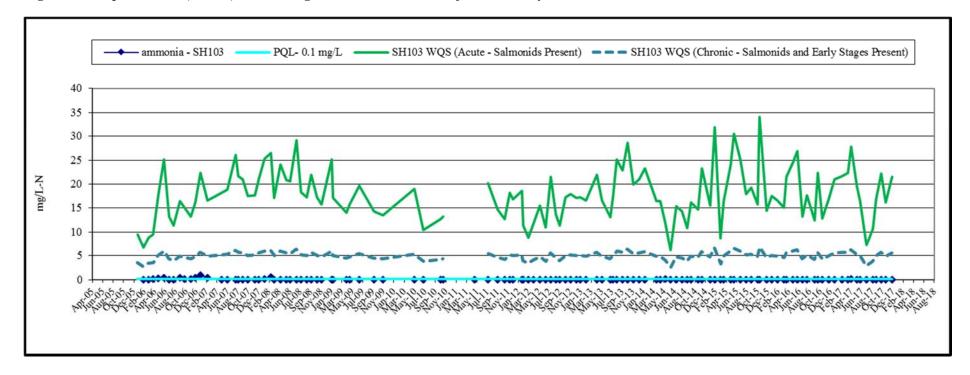


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

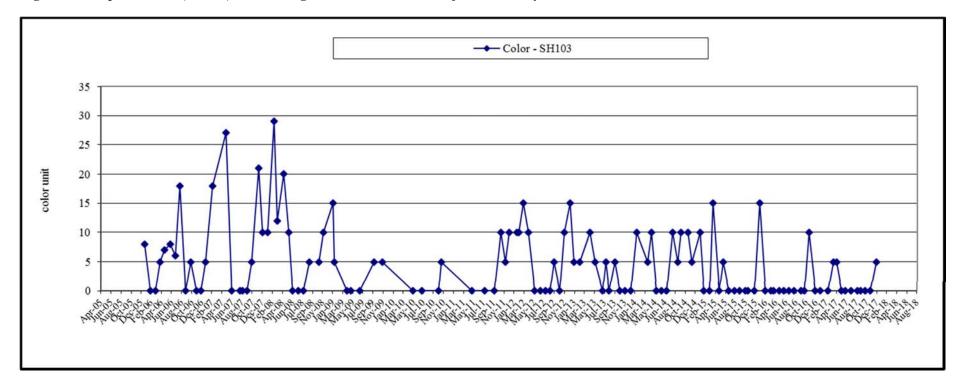


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

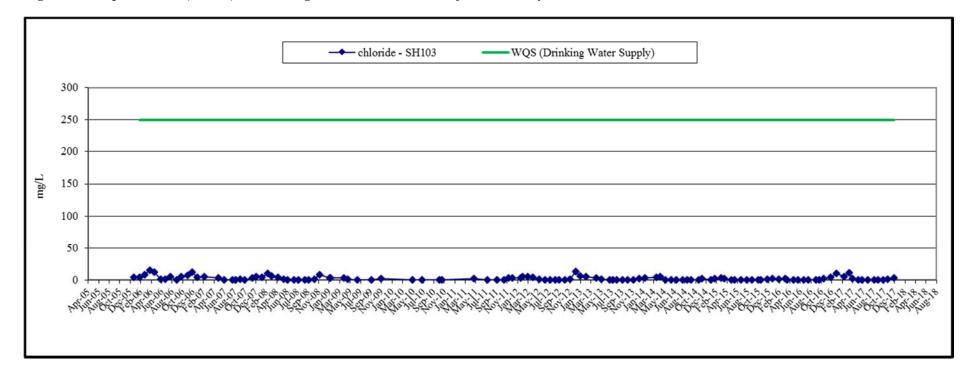


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

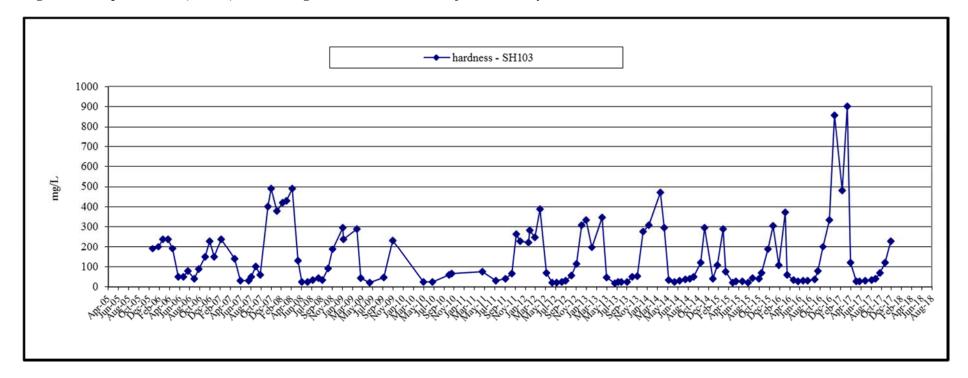


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

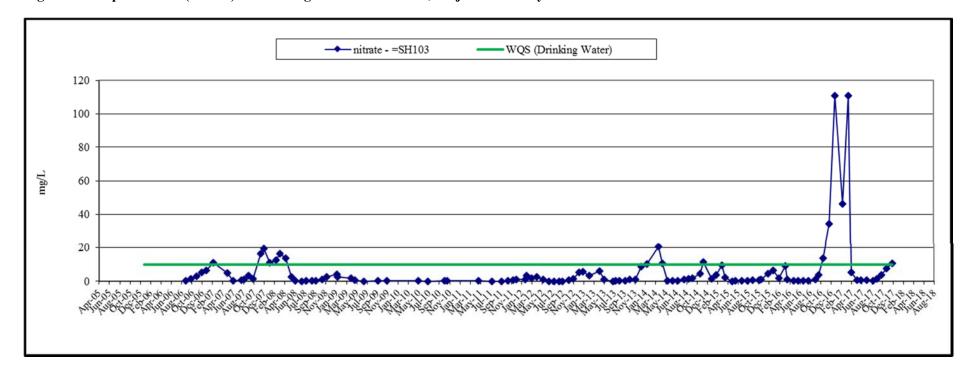


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

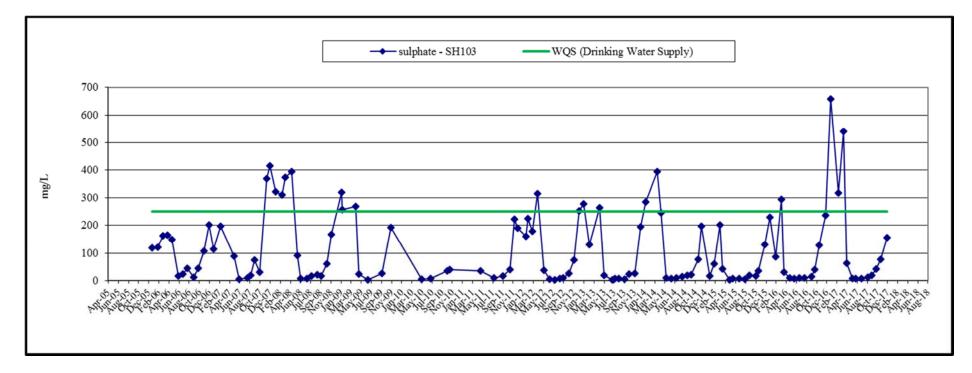


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

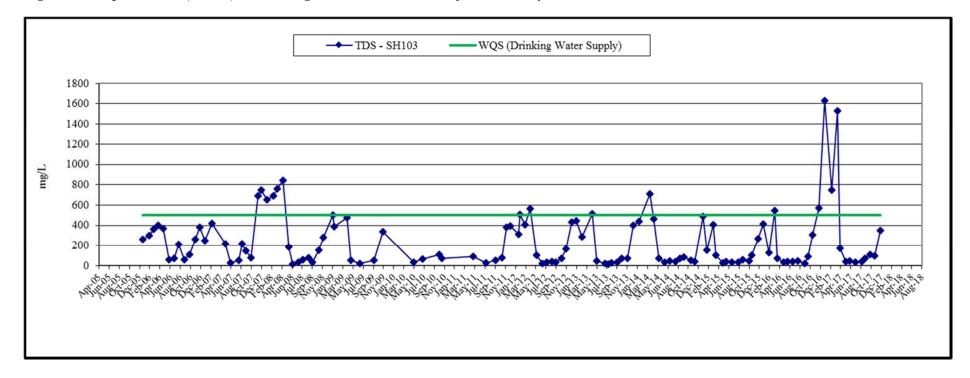


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

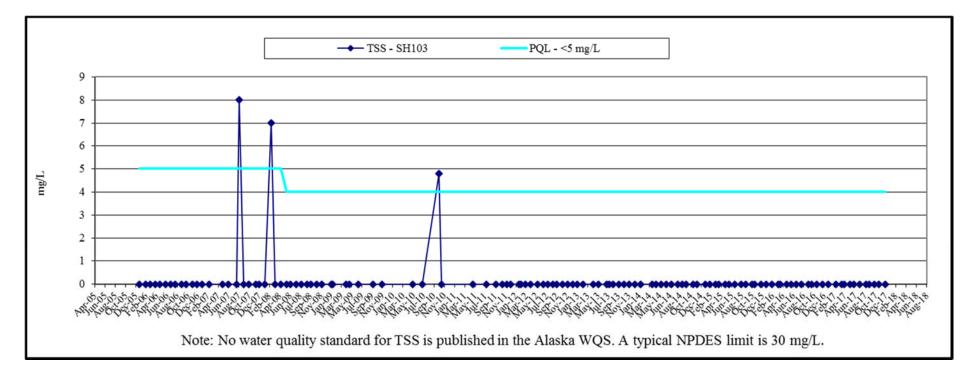


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

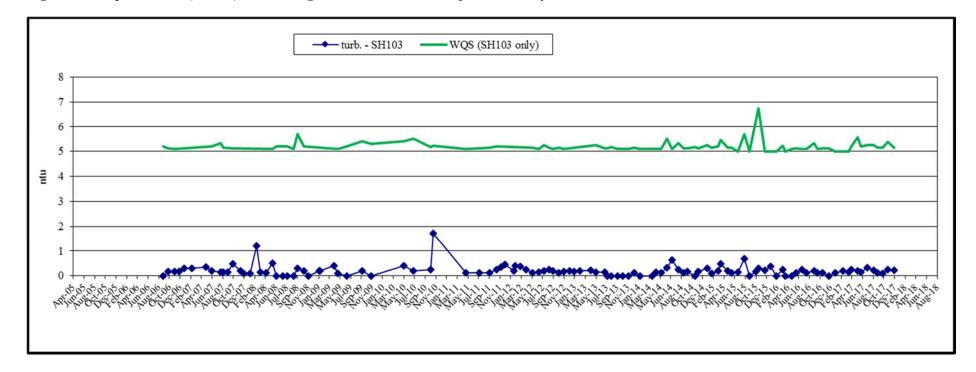


Figure 16b: Ophir Creek (SH103) Monitoring Results 2006-2017, Major Chemistry

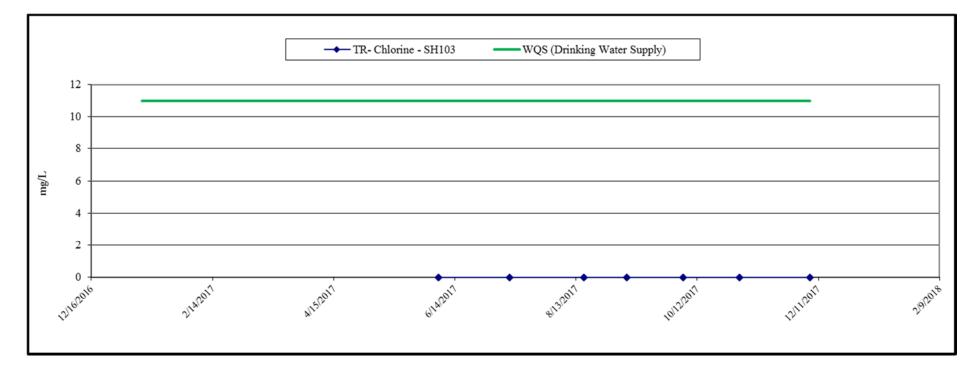


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

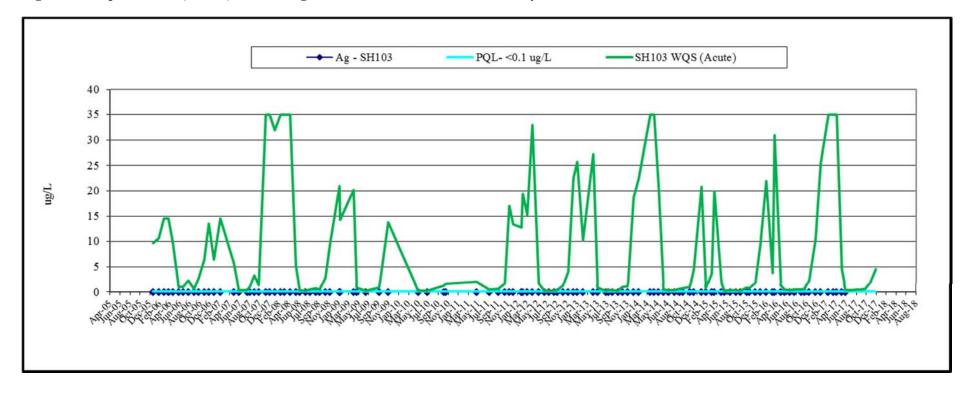


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

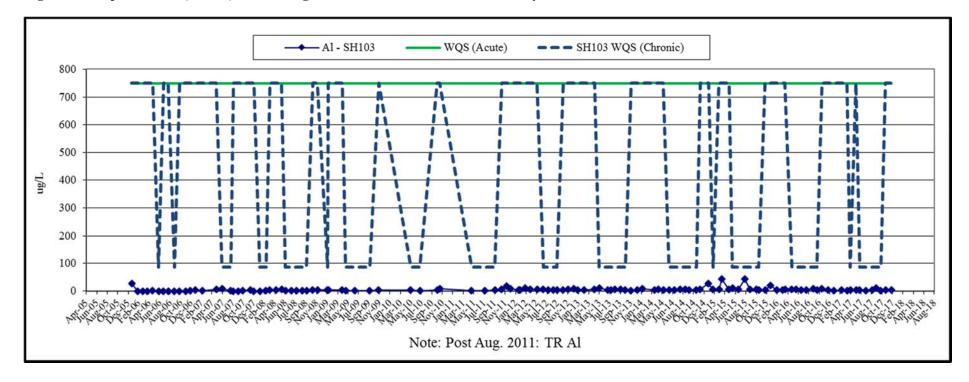


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

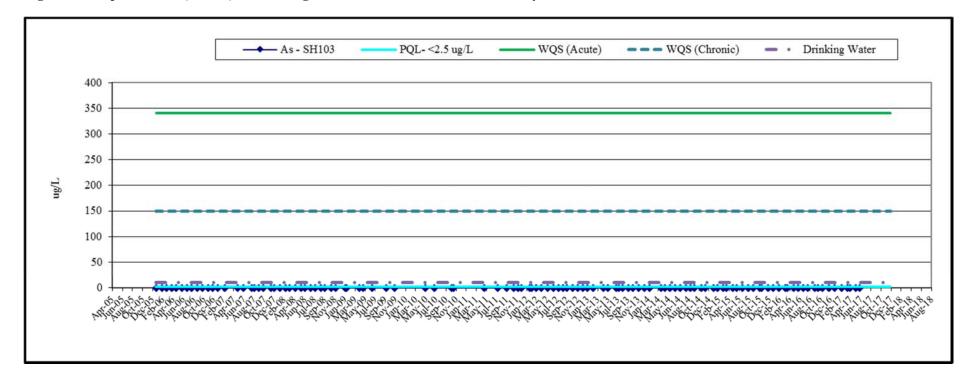


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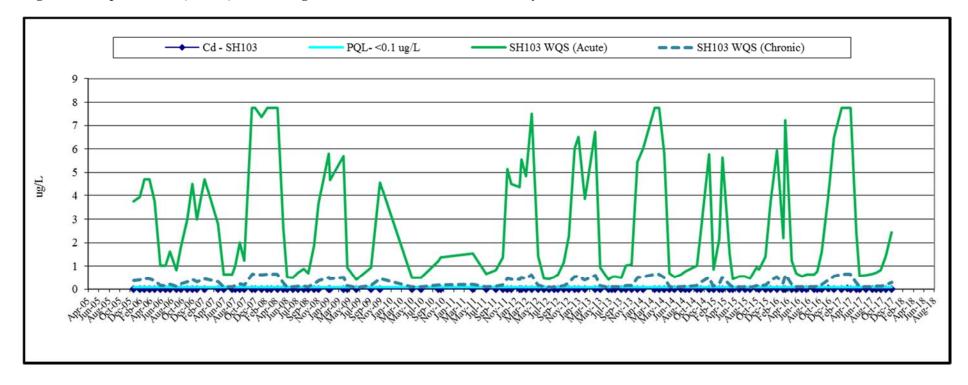


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

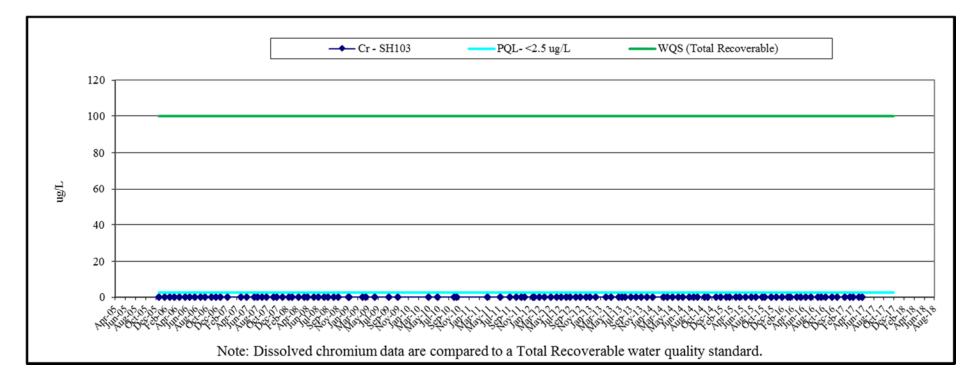


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

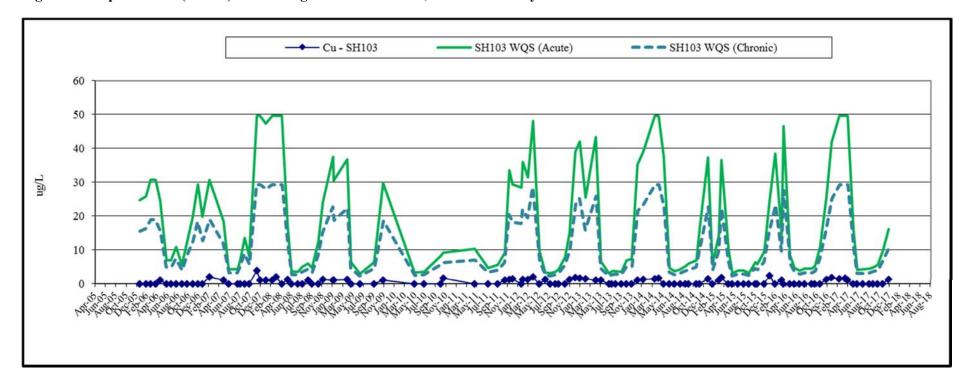


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

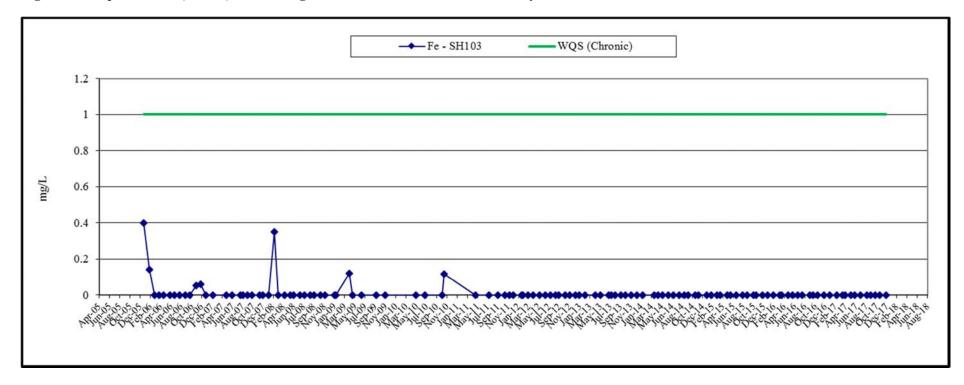


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

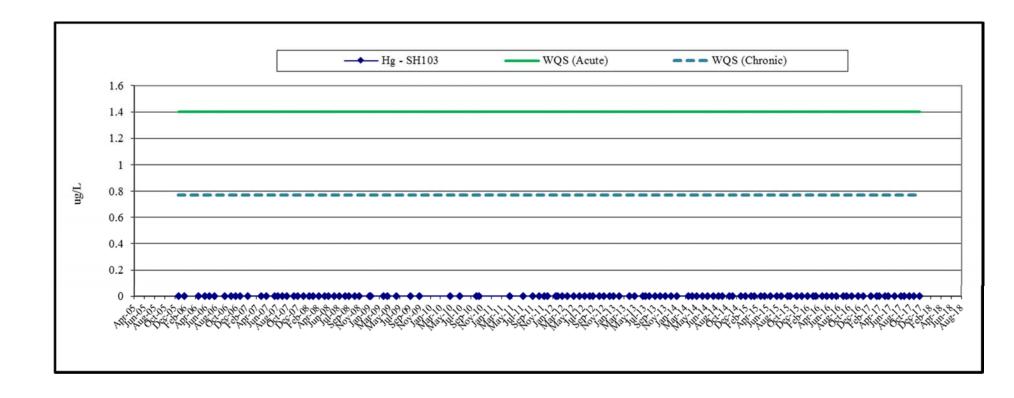


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

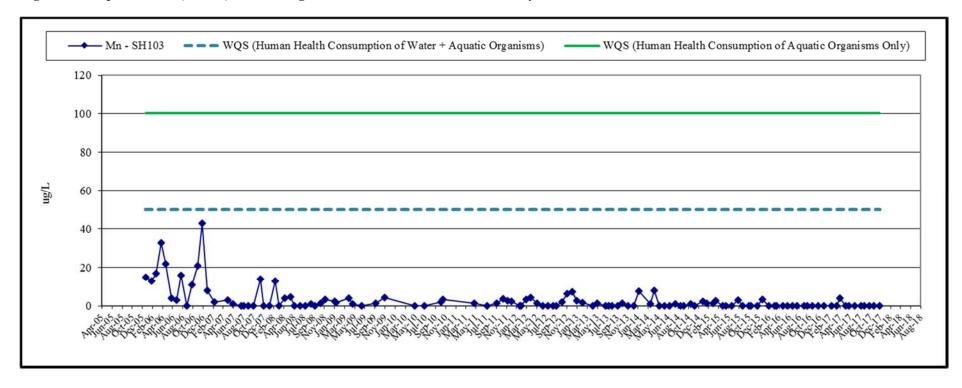


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

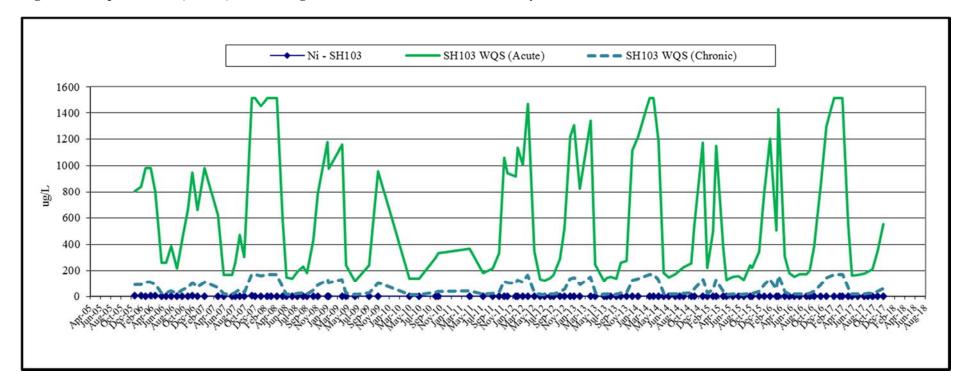


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

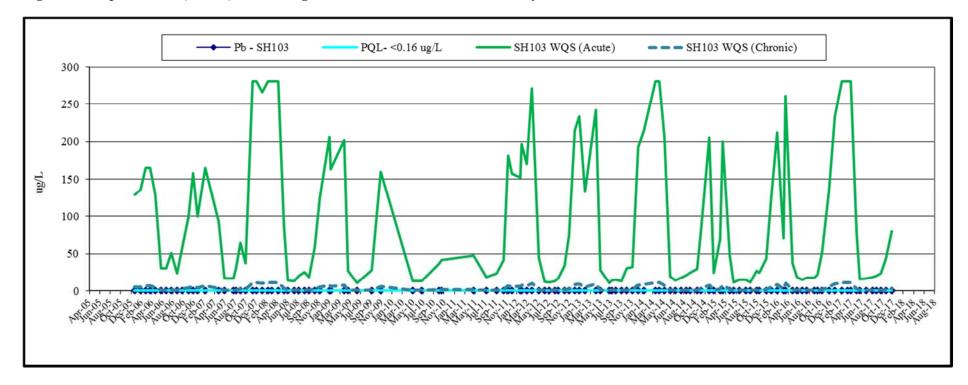


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

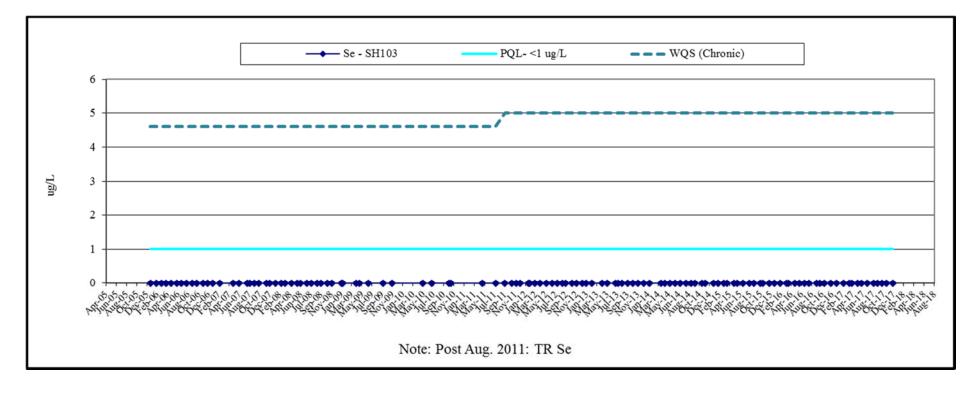


Figure 16c: Ophir Creek (SH103) Monitoring Results 2006-2017, Trace Chemistry

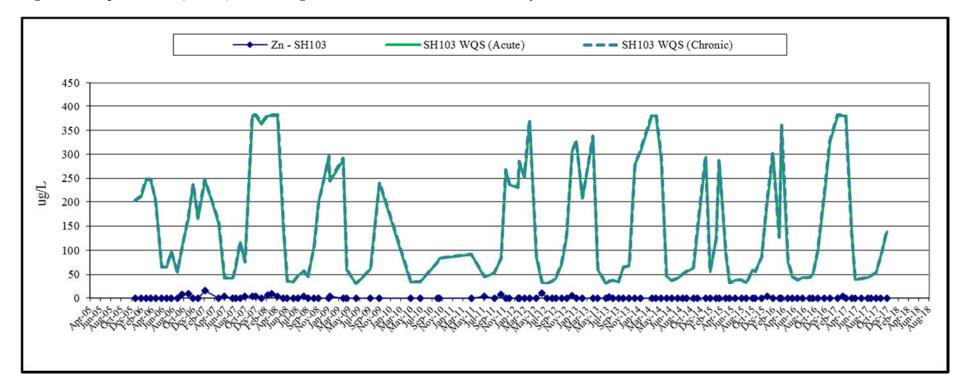


Figure 17a: Ophir Creek (SH111) Monitoring Results 2006-2017, Field Parameters

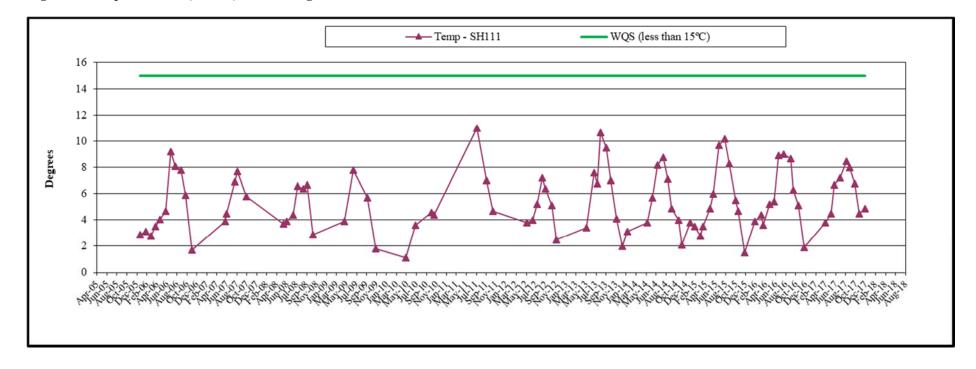


Figure 17a: Ophir Creek (SH111) Monitoring Results 2006-2017, Field Parameters

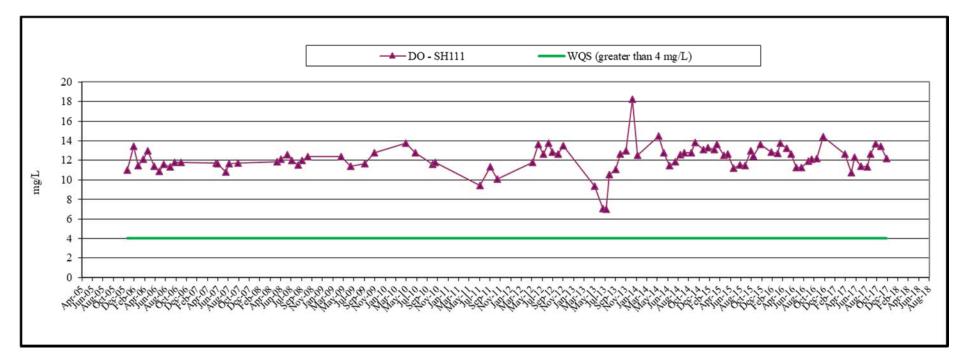


Figure 17a: Ophir Creek (SH111) Monitoring Results 2006-2017, Field Parameters

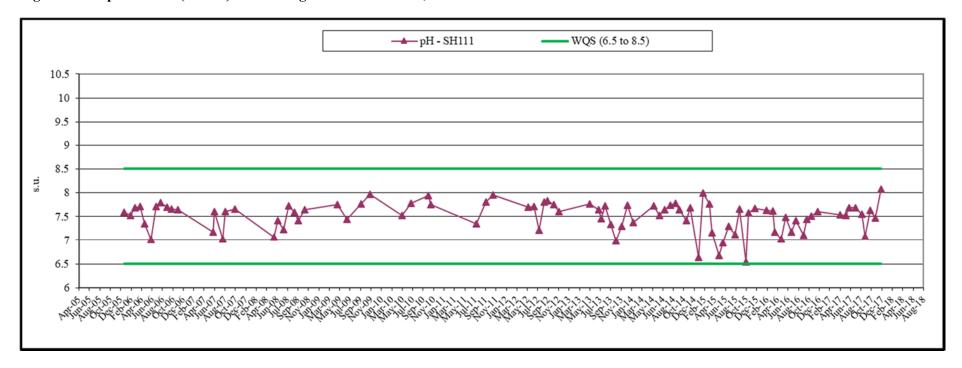


Figure 17a: Ophir Creek (SH111) Monitoring Results 2006-2017, Field Parameters

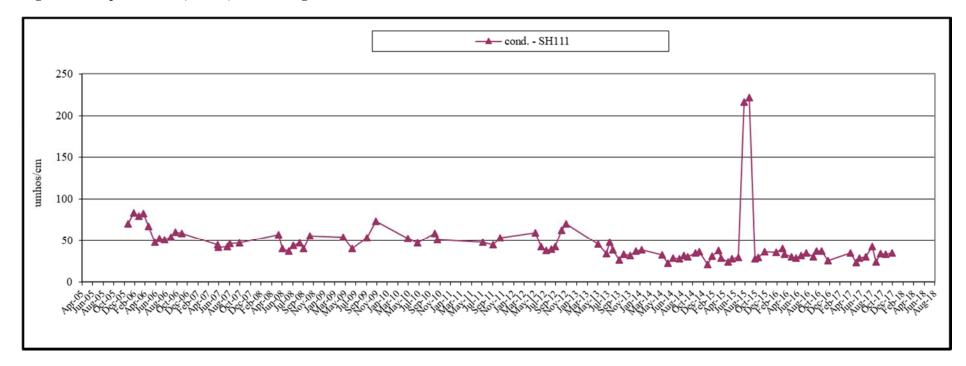


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

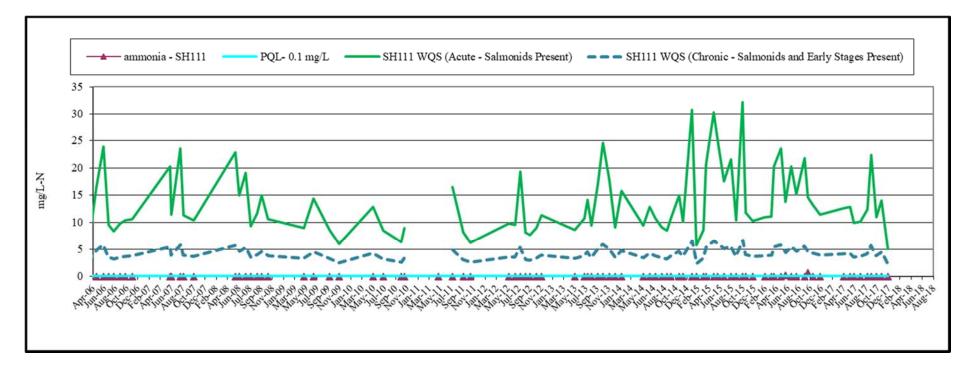


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

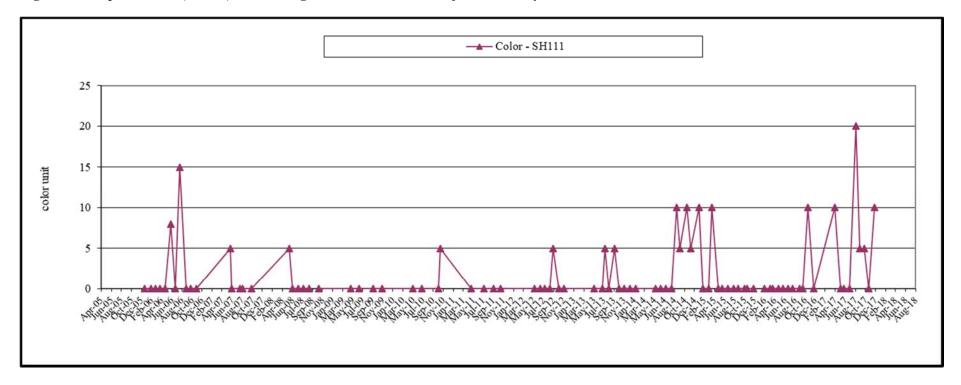


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

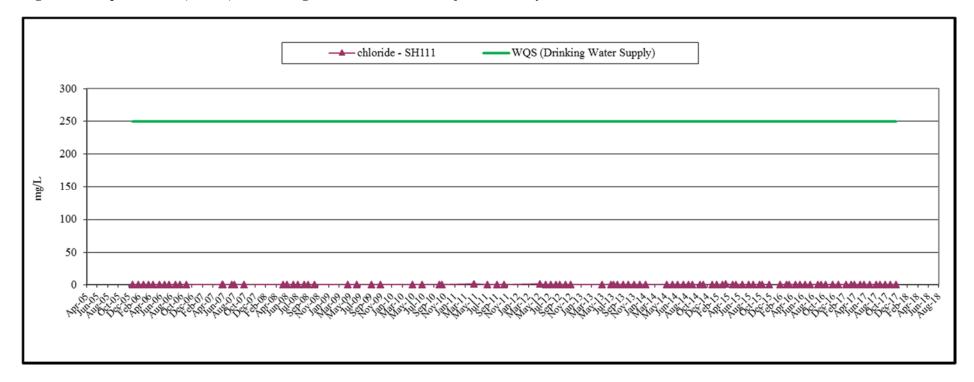


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

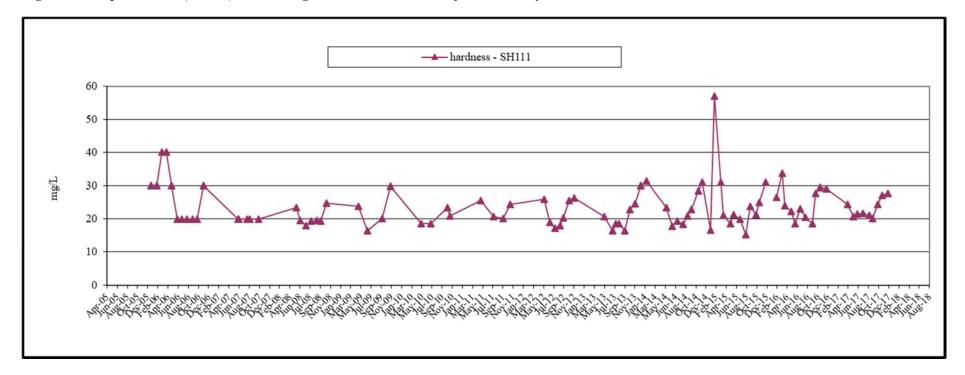


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

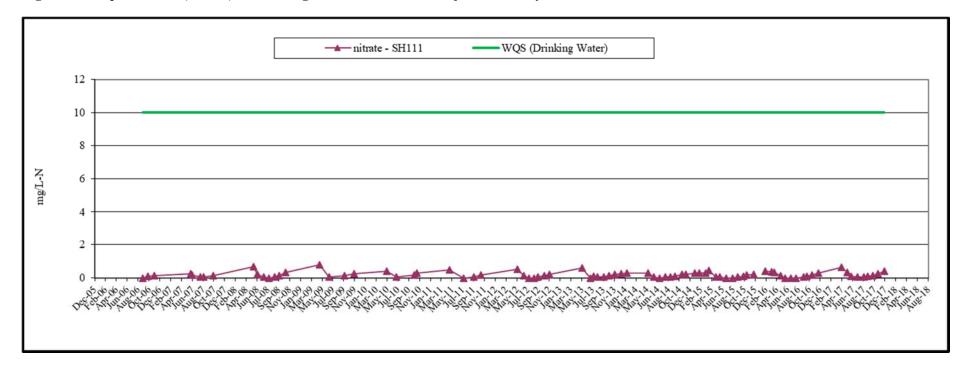


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

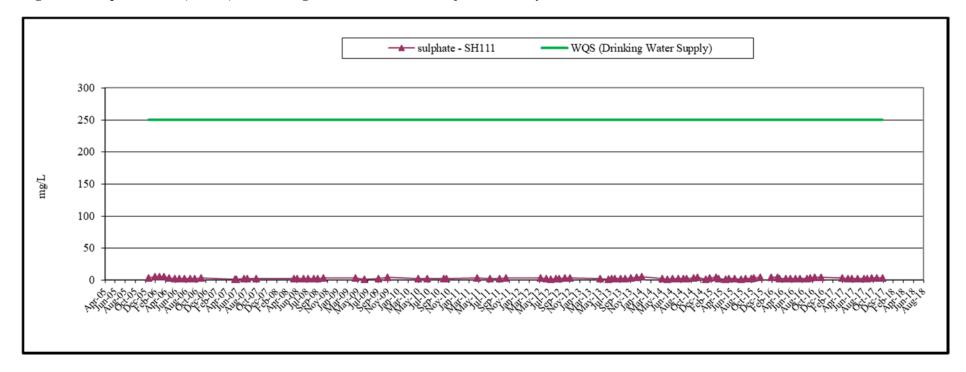


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

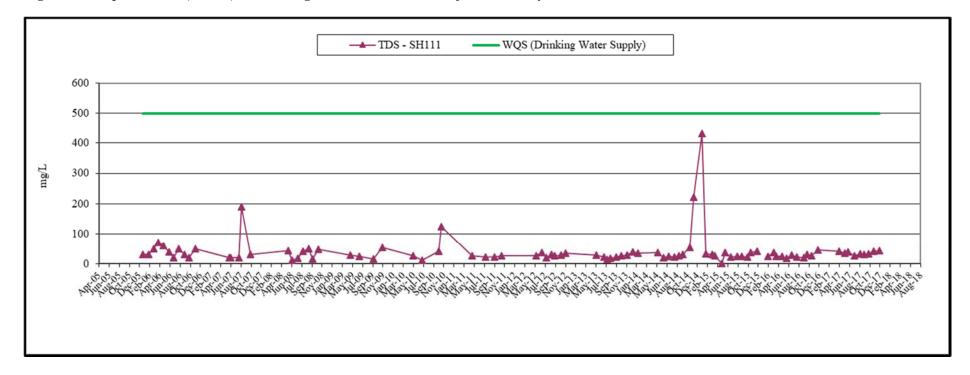


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

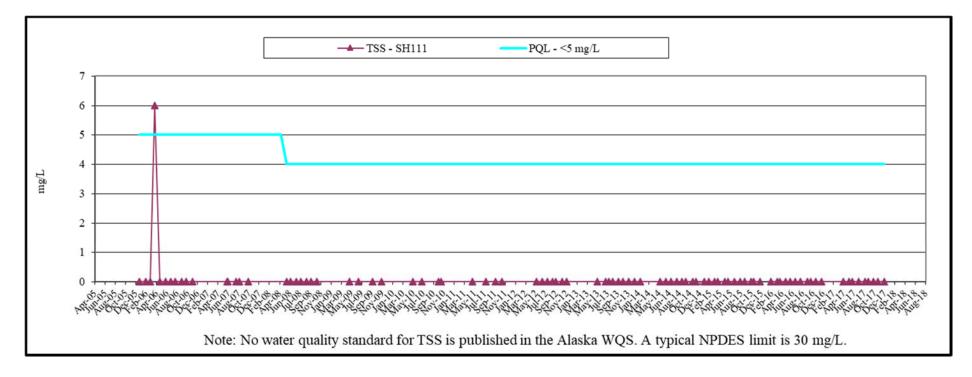


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

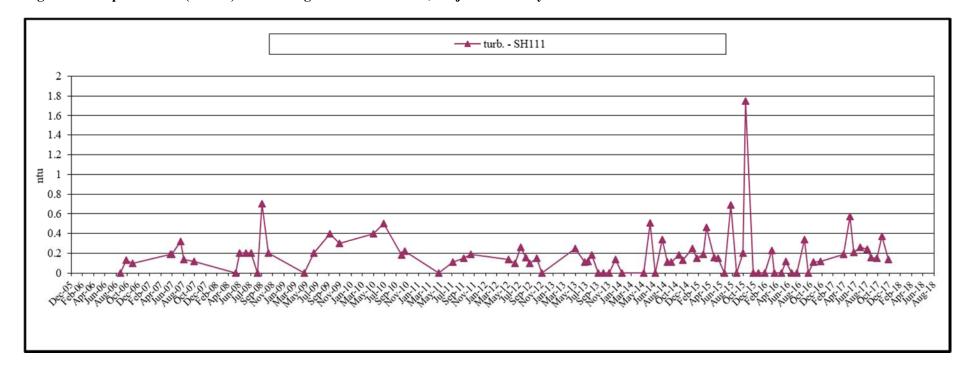


Figure 17b: Ophir Creek (SH111) Monitoring Results 2006-2017, Major Chemistry

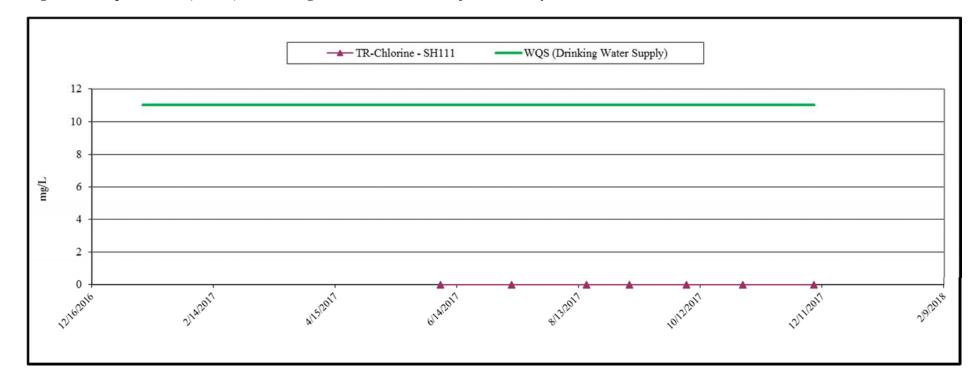


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

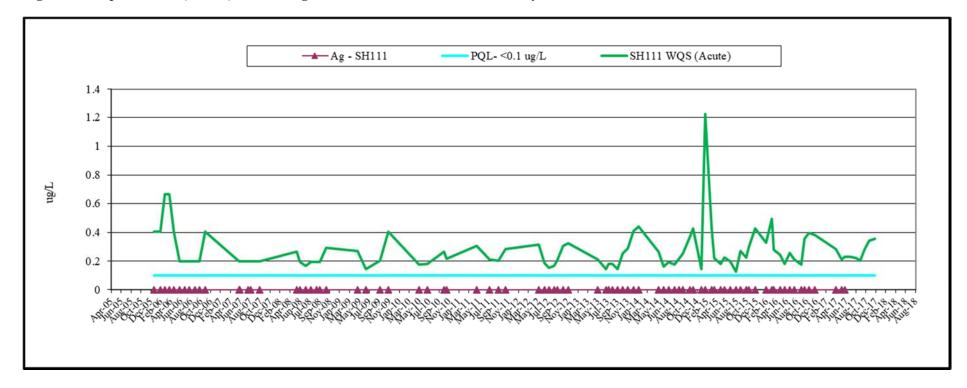


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

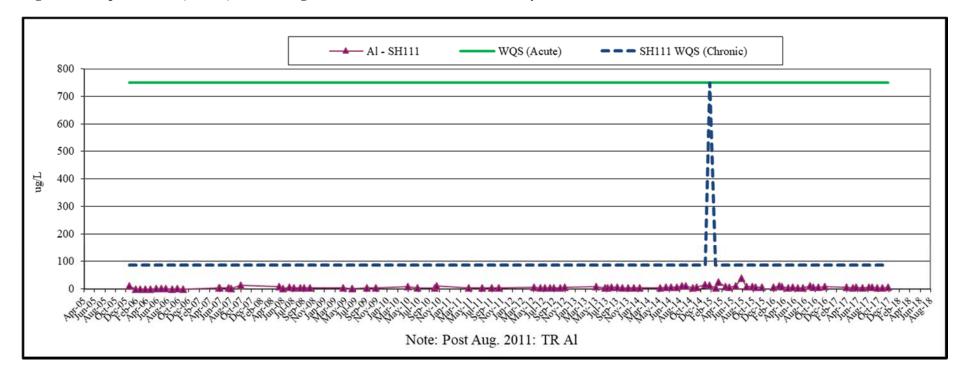


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

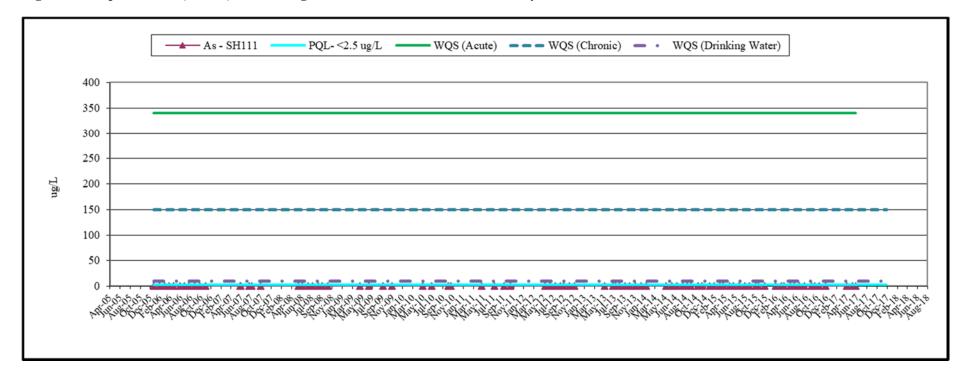


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

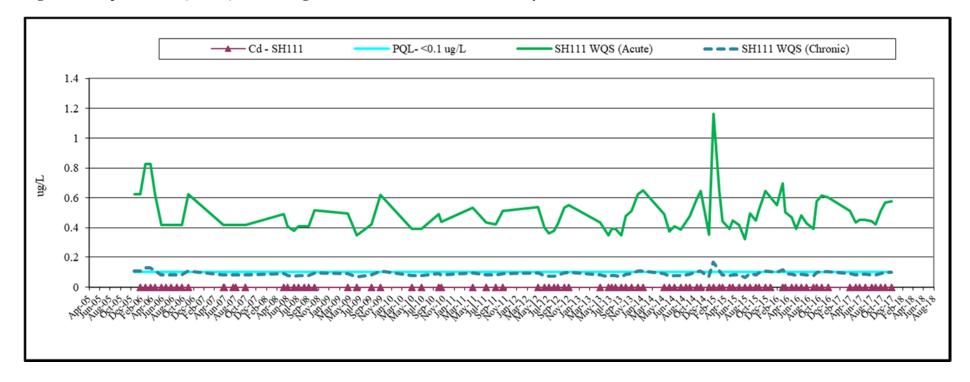


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

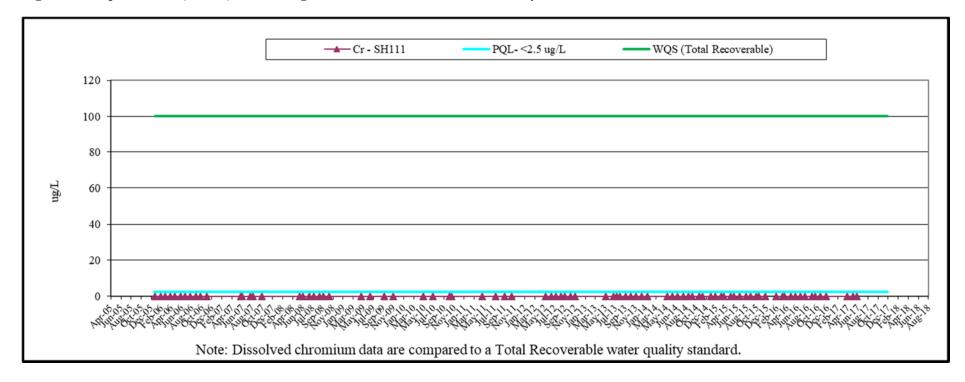


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

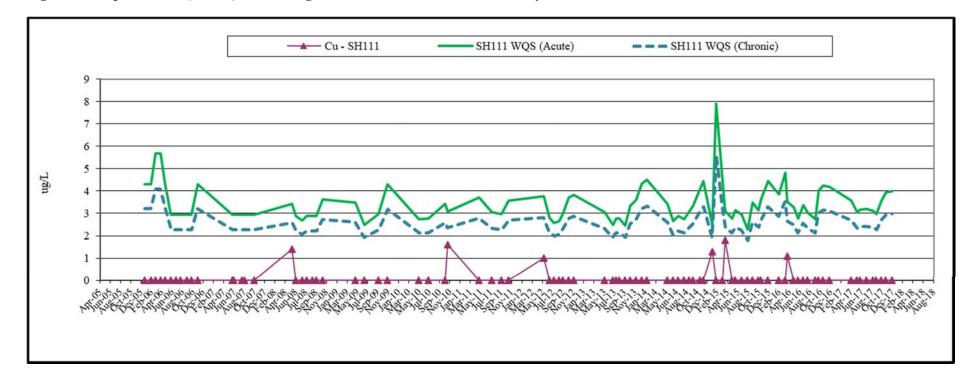


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

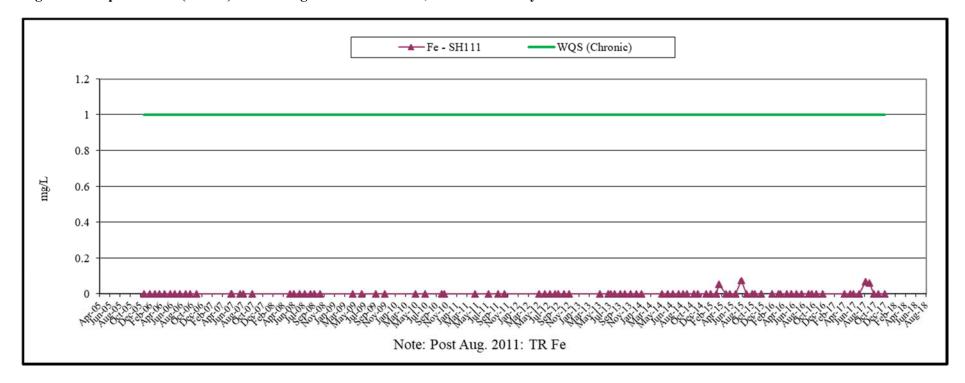


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

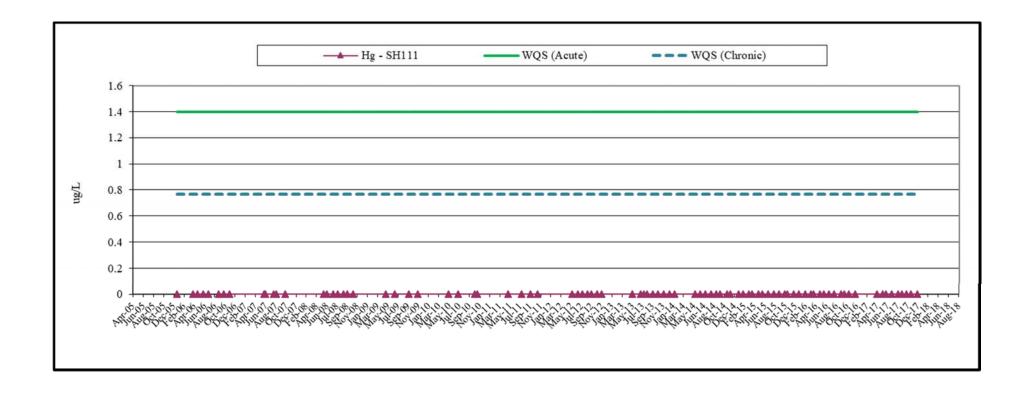


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

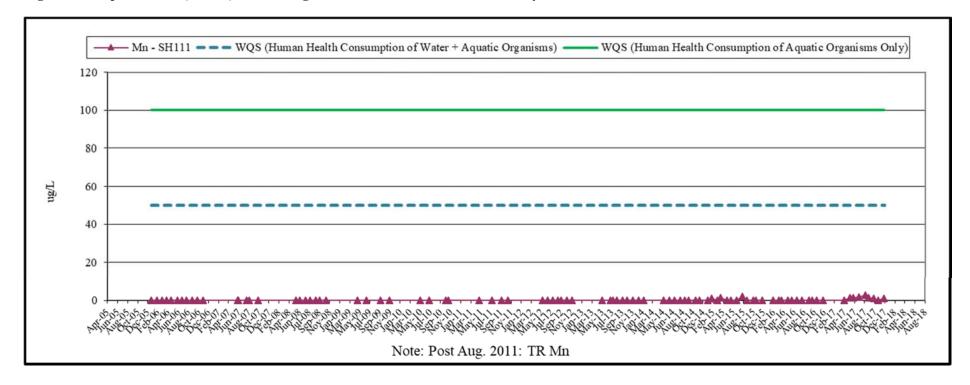


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

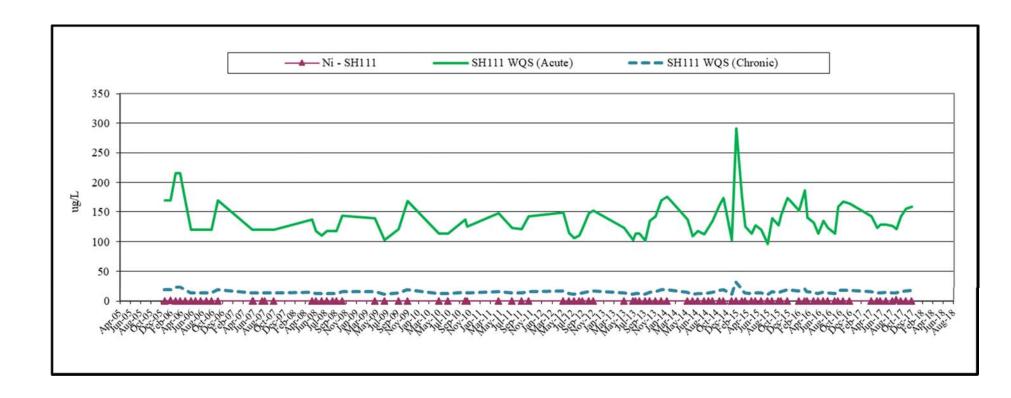


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

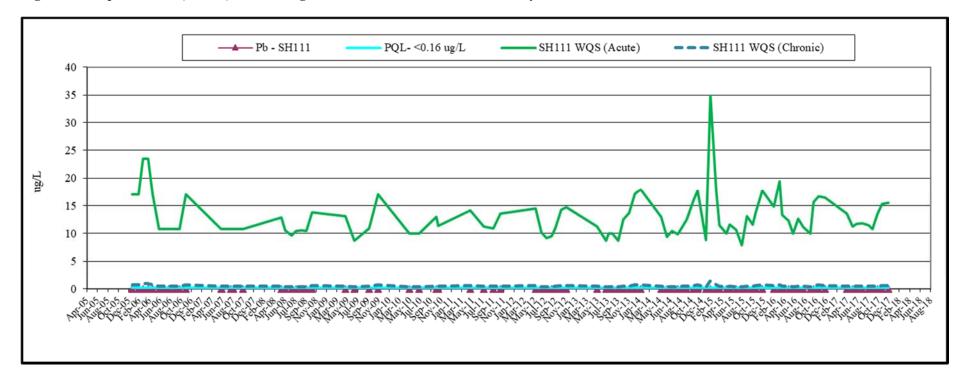


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

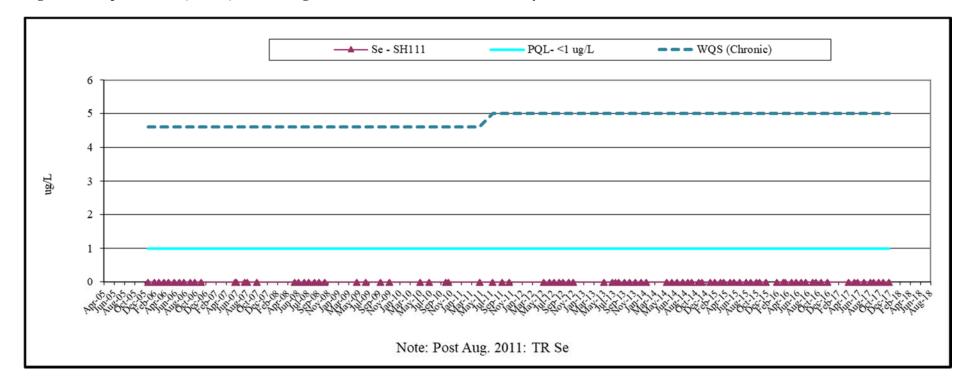


Figure 17c: Ophir Creek (SH111) Monitoring Results 2006-2017, Trace Chemistry

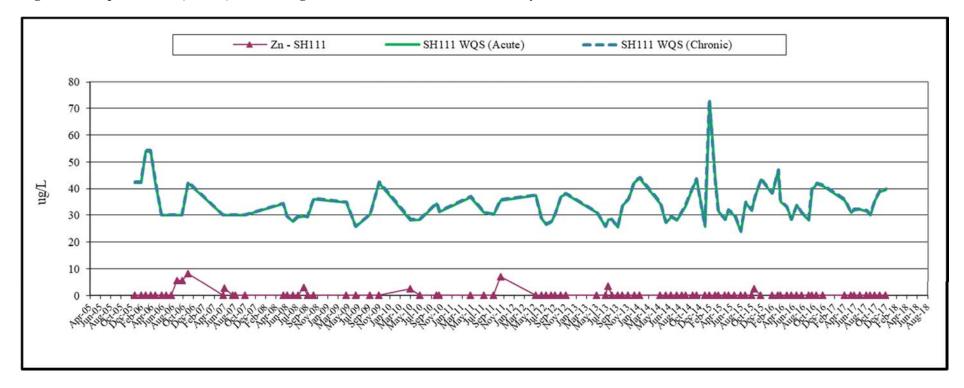


Figure 18a: Outfall 001 Effluent Monitoring Results 2006-2017, Field Parameters

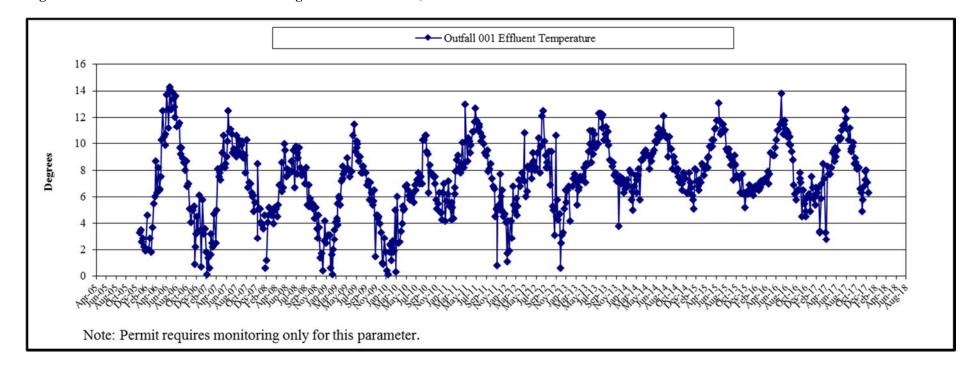


Figure 18a: Outfall 001 Effluent Monitoring Results 2006-2017, Field Parameters

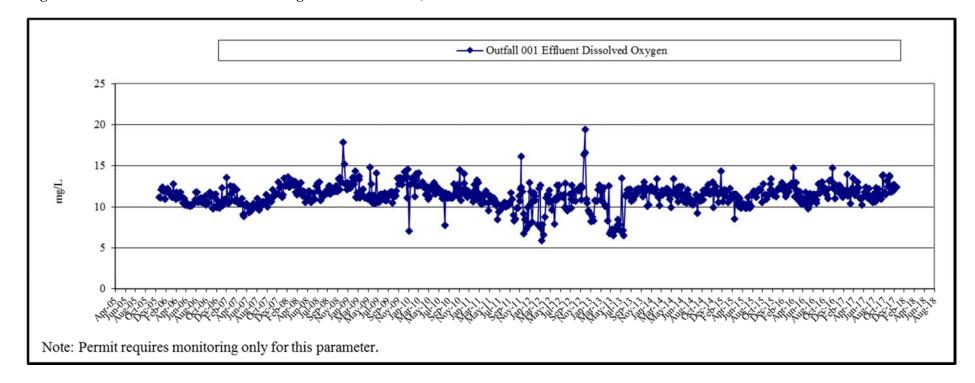


Figure 18a: Outfall 001 Effluent Monitoring Results 2006-2017, Field Parameters

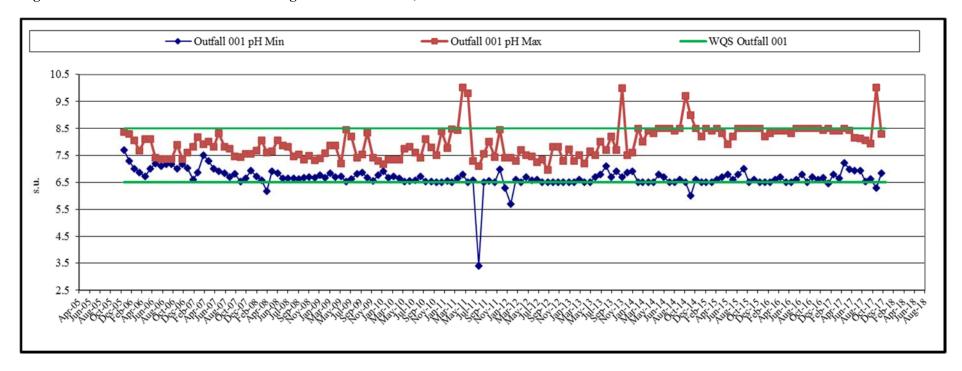


Figure 18a: Outfall 001 Effluent Monitoring Results 2006-2017, Field Parameters

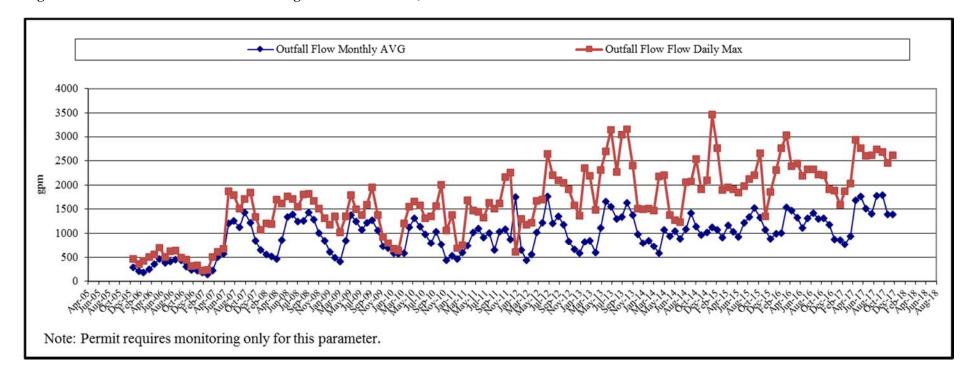


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

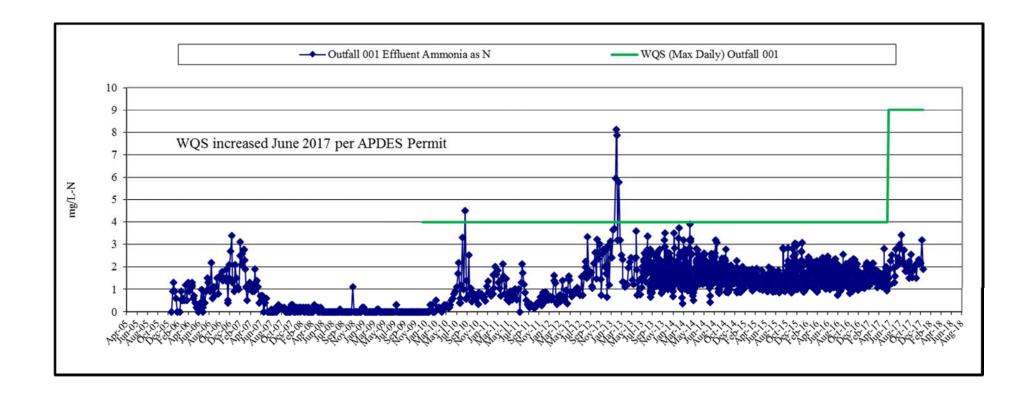


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

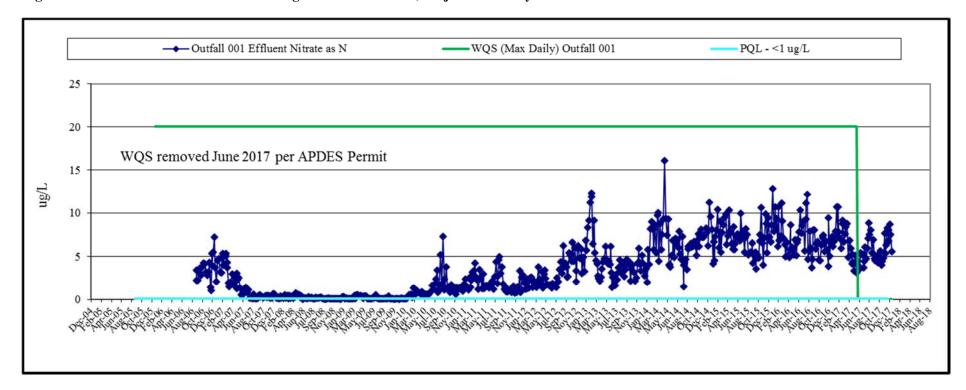


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

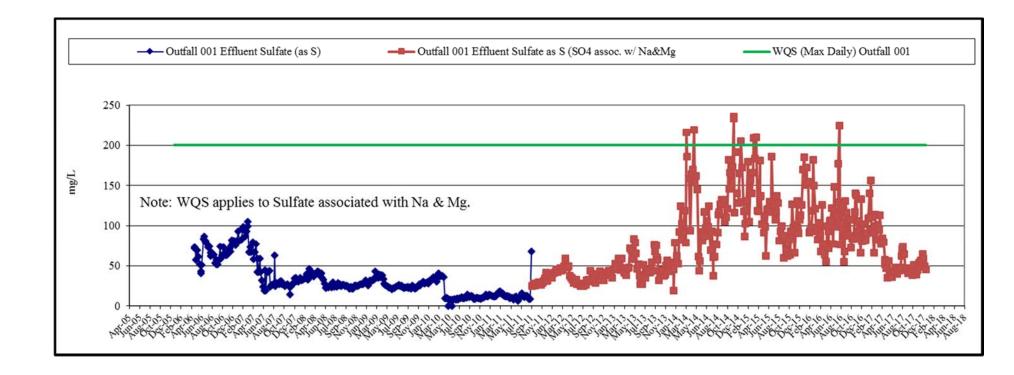


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

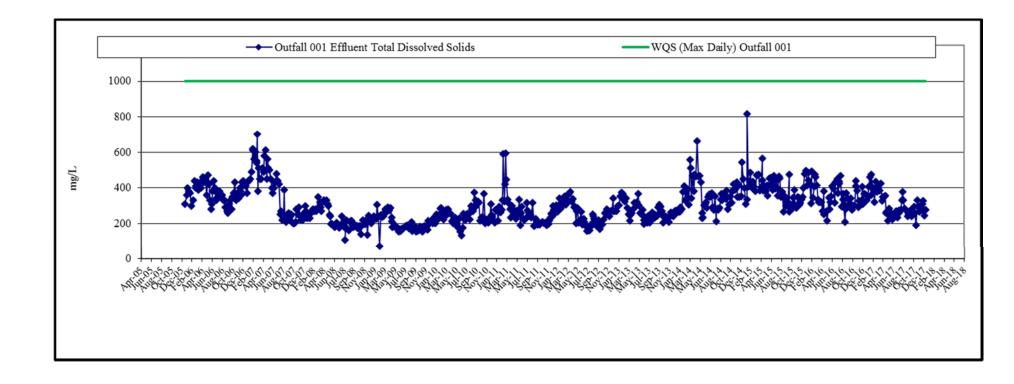


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

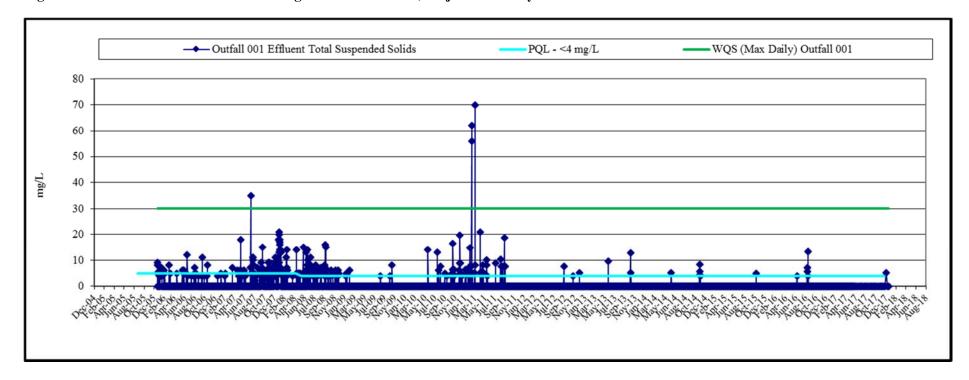


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

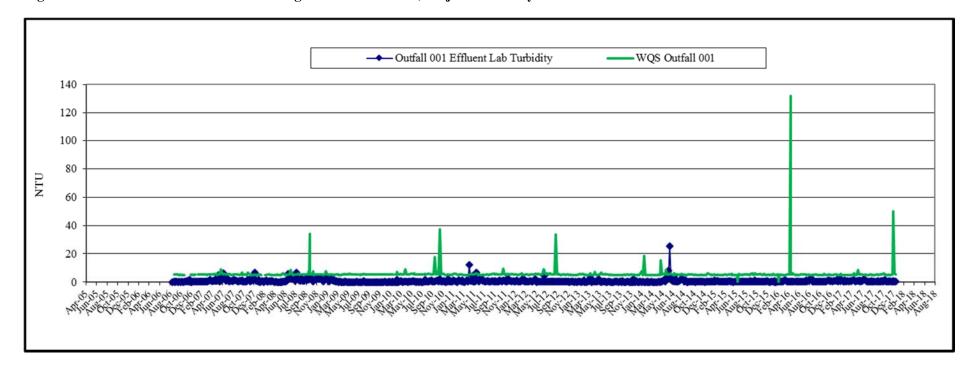


Figure 18b: Outfall 001 Effluent Monitoring Results 2006-2017, Major Chemistry

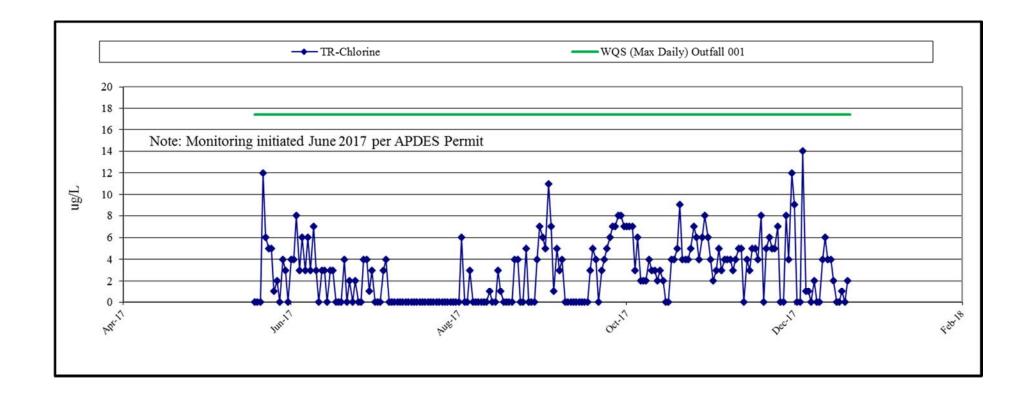


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

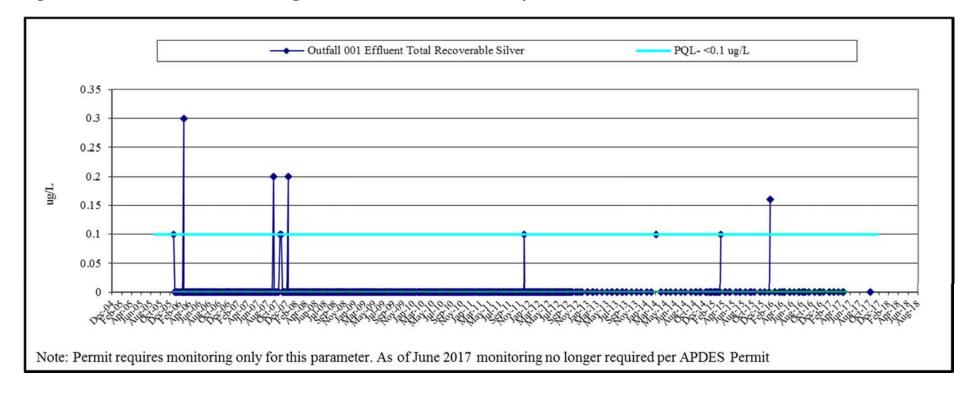


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trance Chemistry

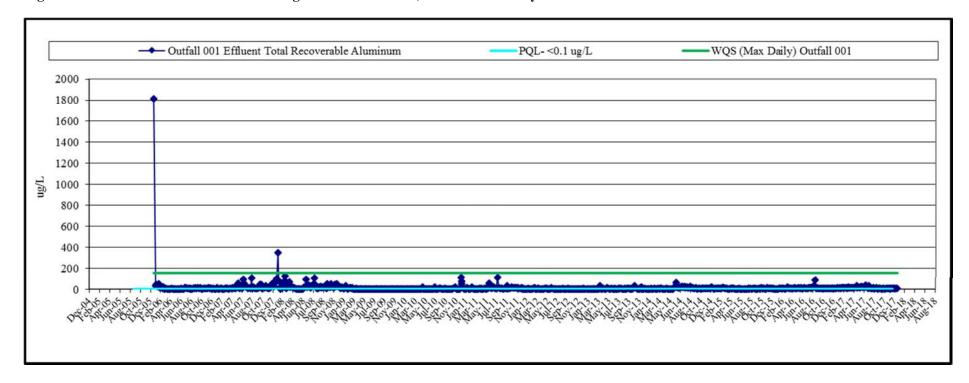


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

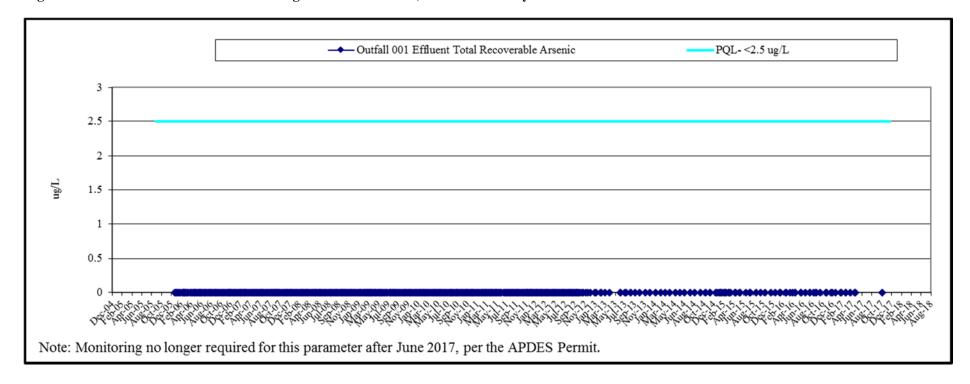


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

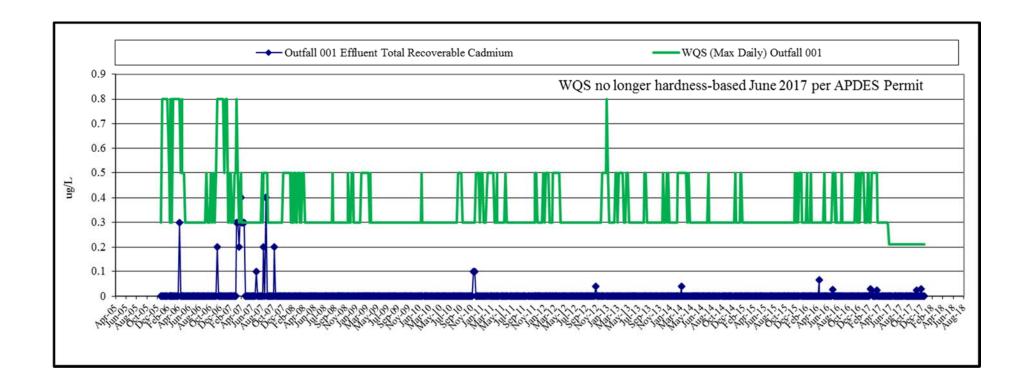


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

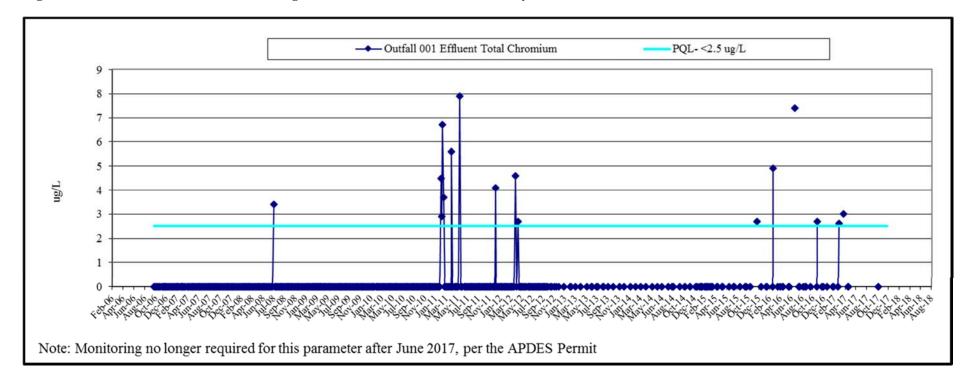


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

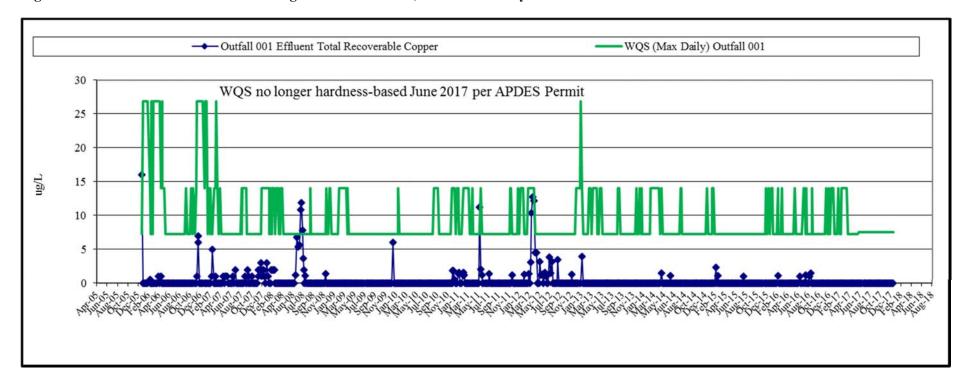


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

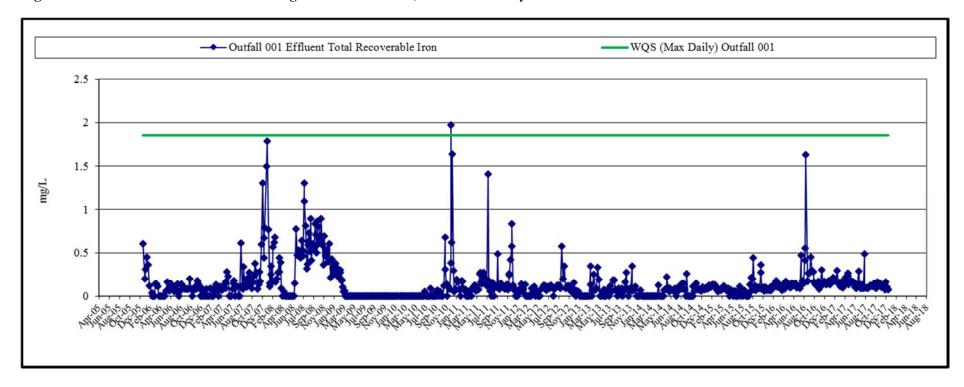


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

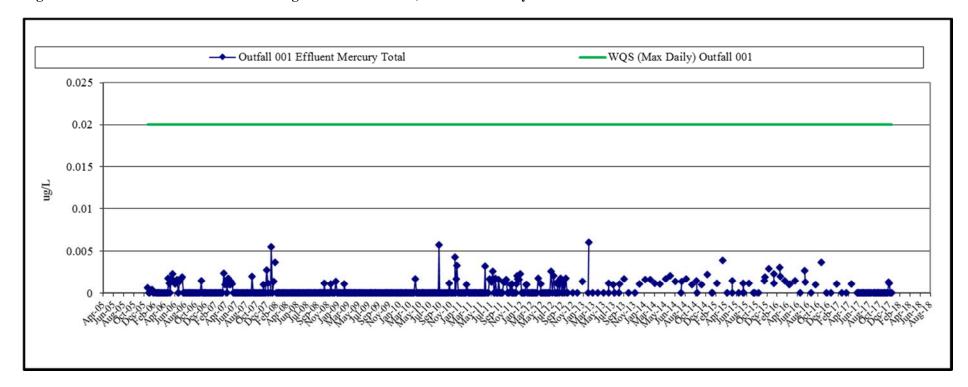


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

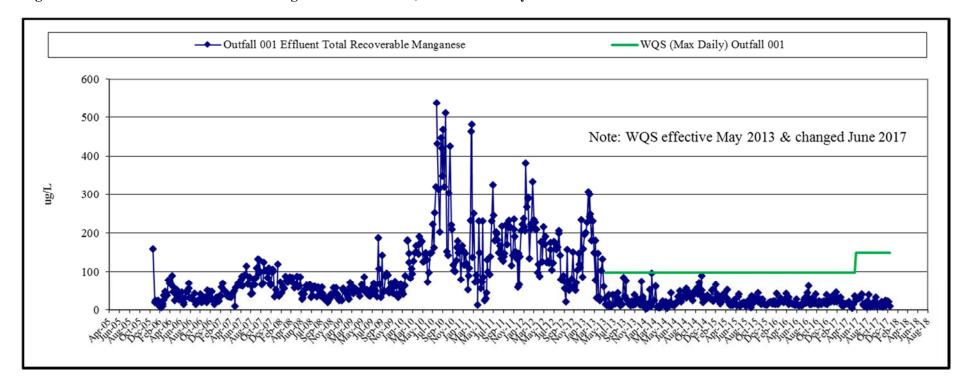


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

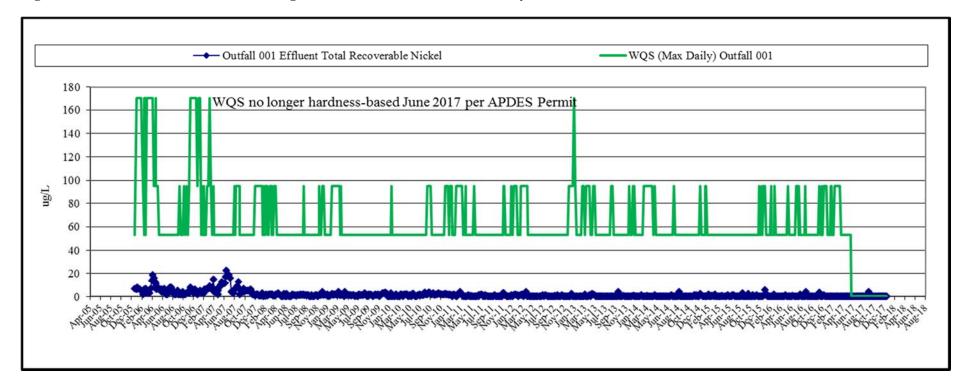


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

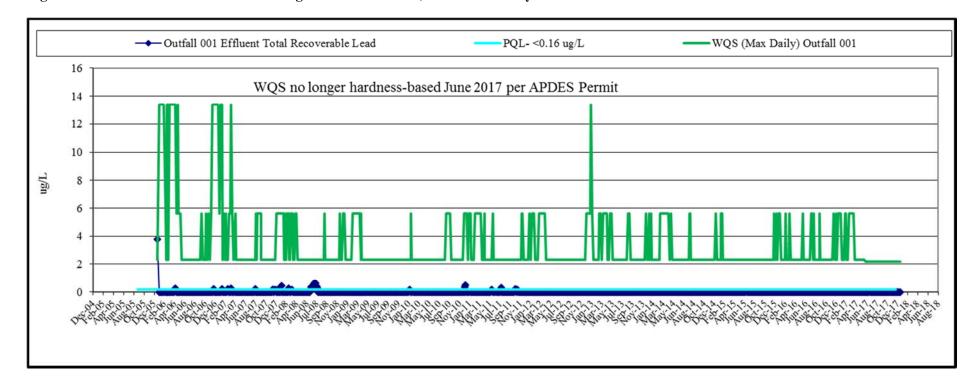


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

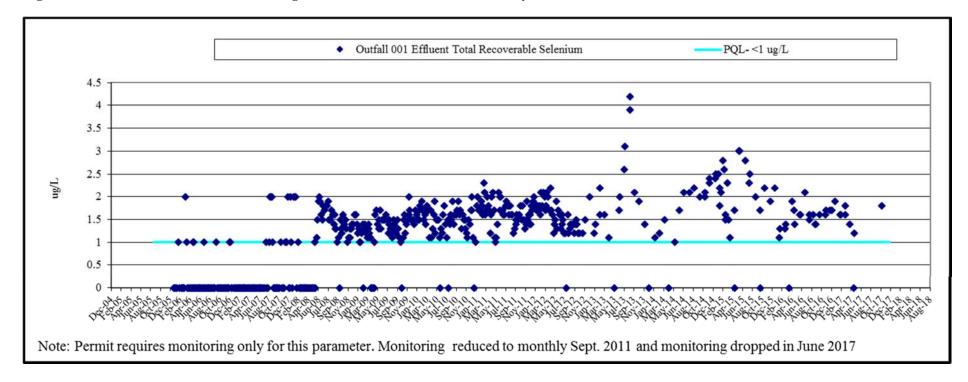


Figure 18c: Outfall 001 Effluent Monitoring Results 2006-2017, Trace Chemistry

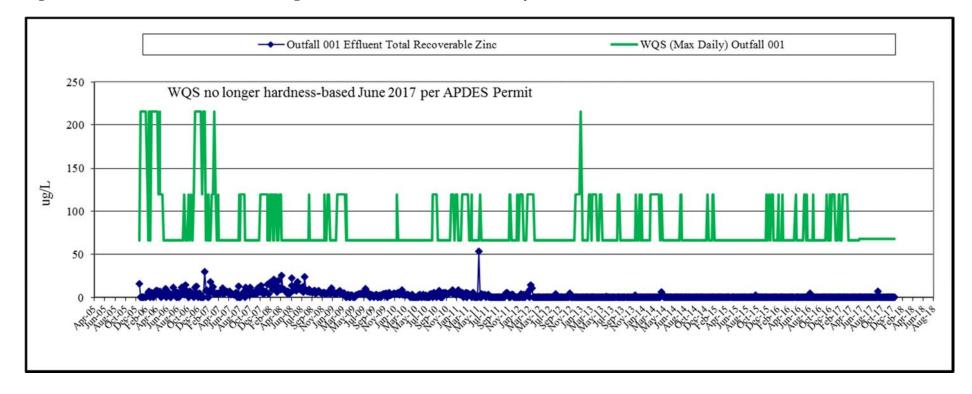


Figure 19a: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Field Parameters

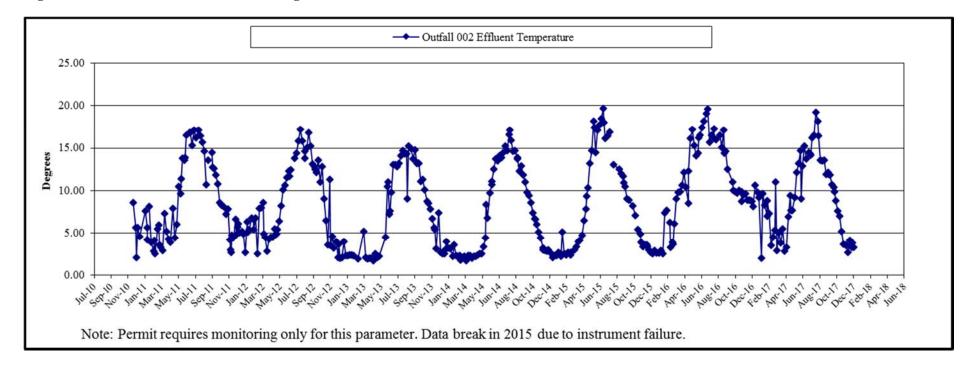


Figure 19a: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Field Parameters

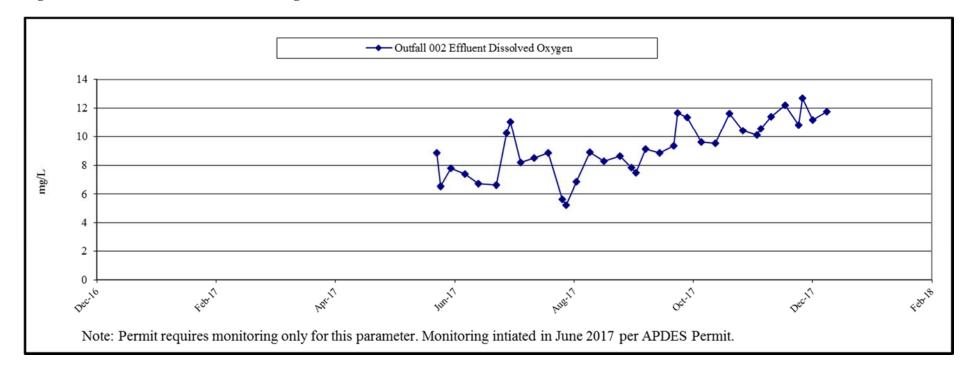


Figure 19a: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Field Parameters

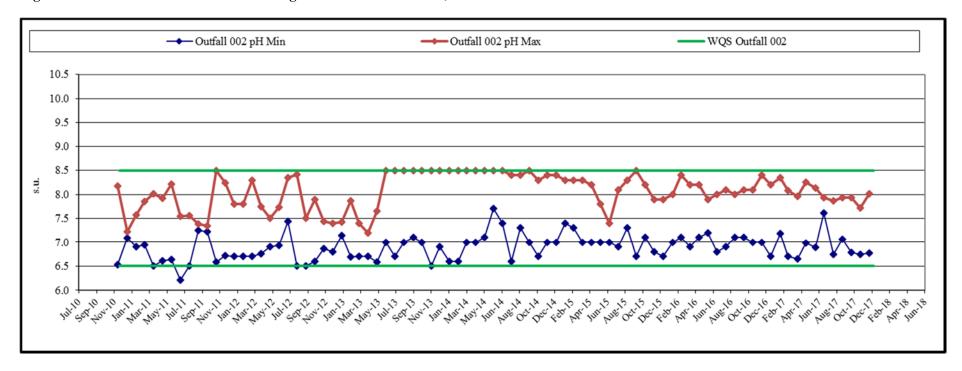


Figure 19a: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Field Parameters

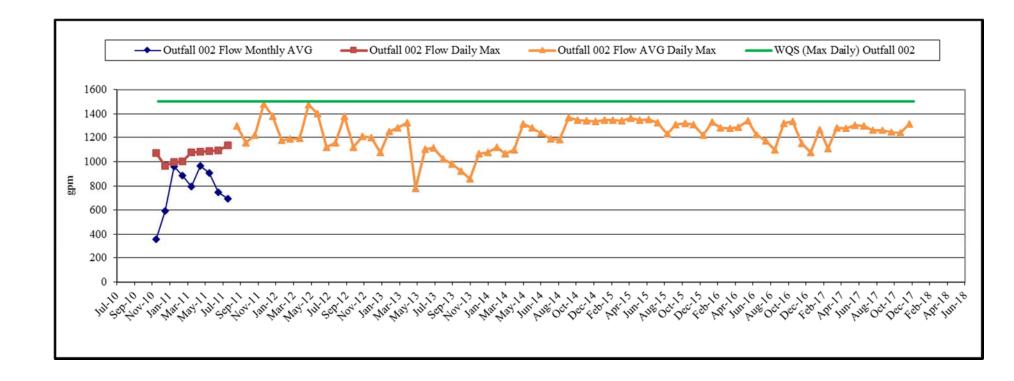


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

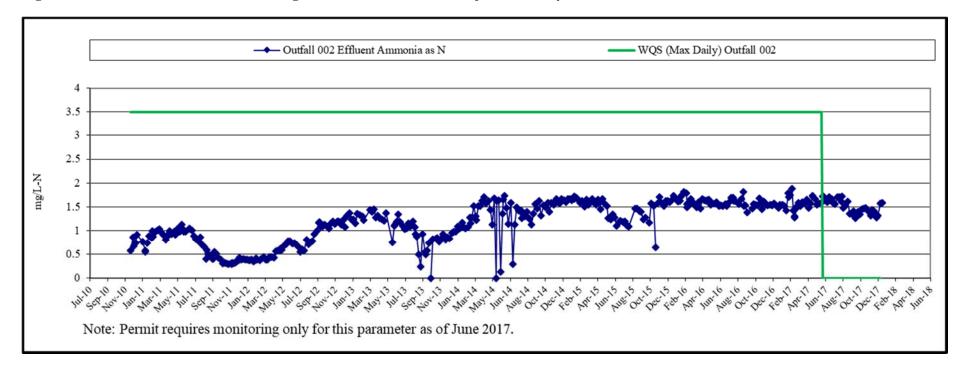


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

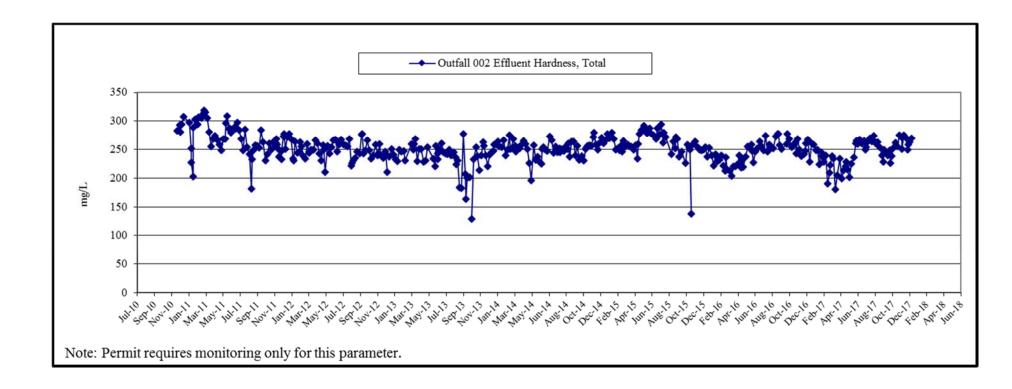


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

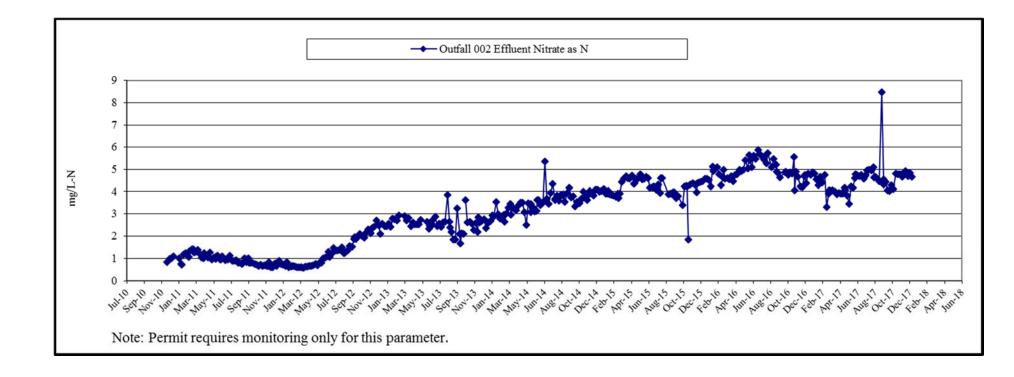


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

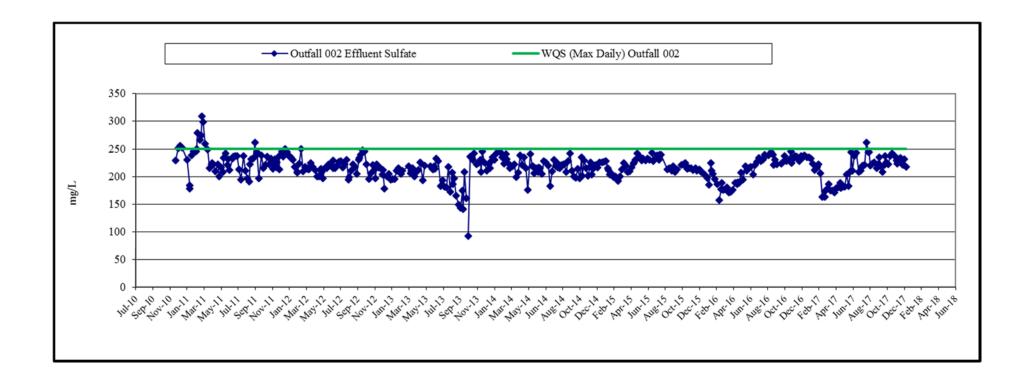


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

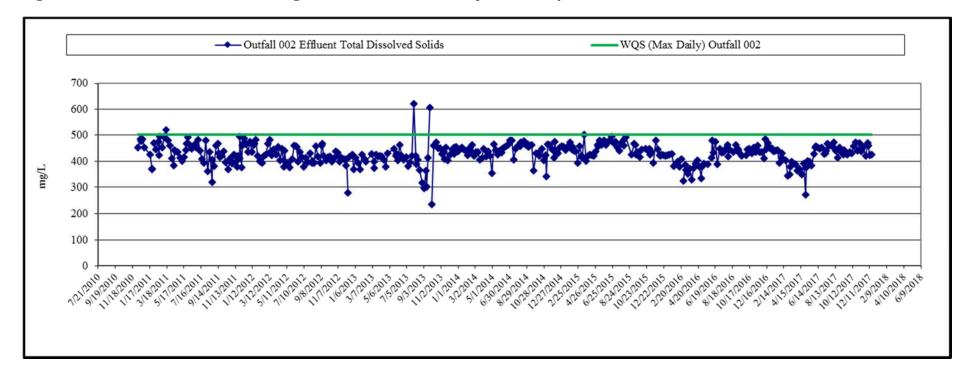


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

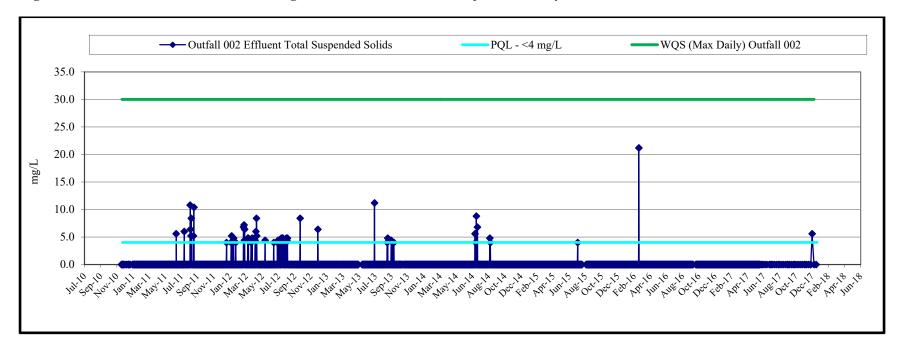


Figure 19b: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Major Chemistry

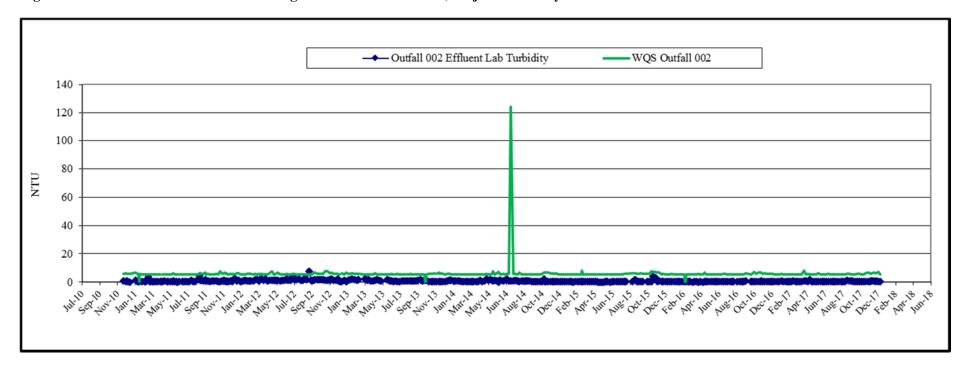


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

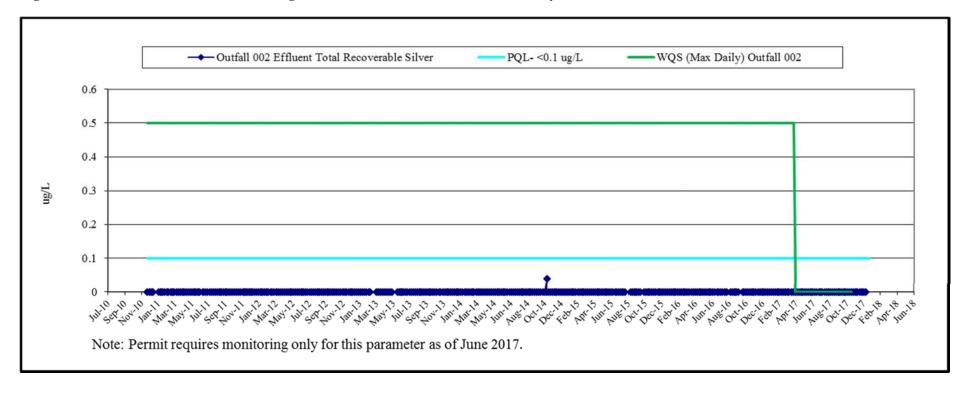


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

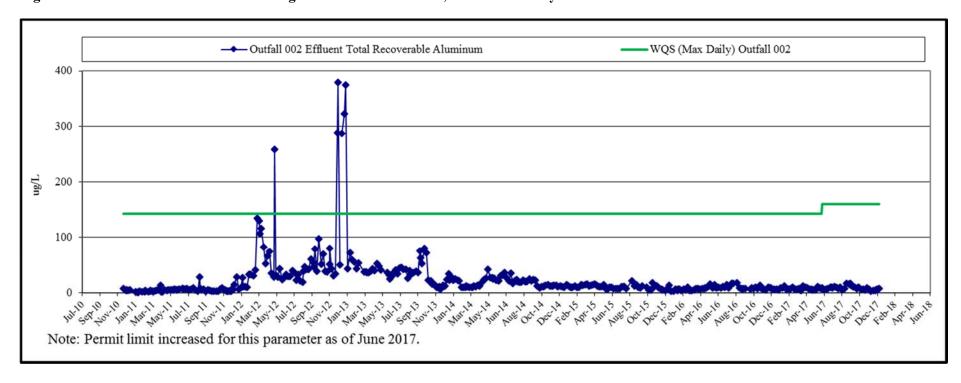


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

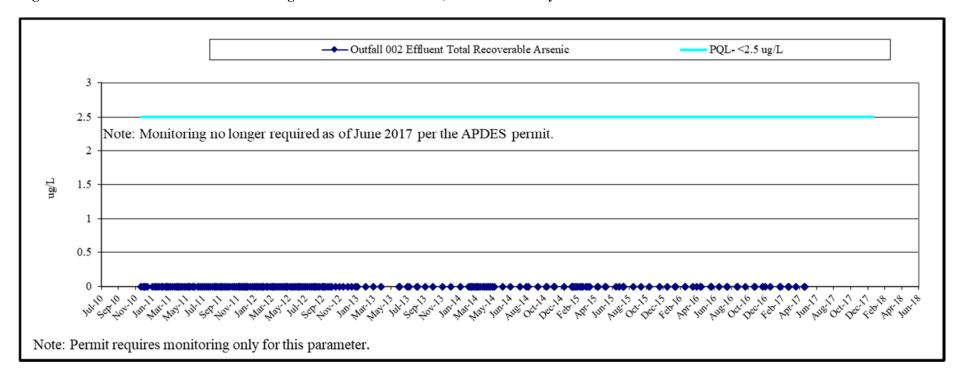


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

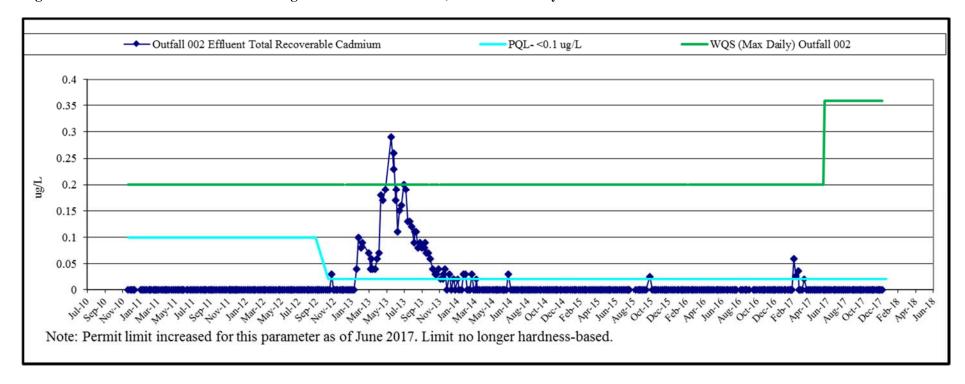


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

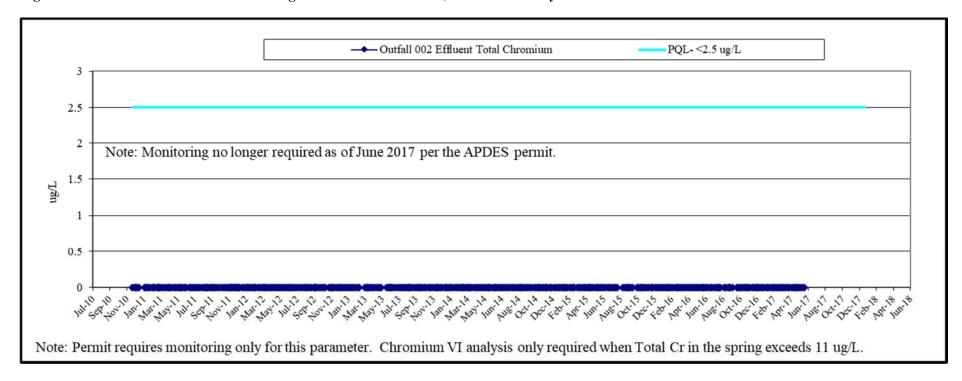


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

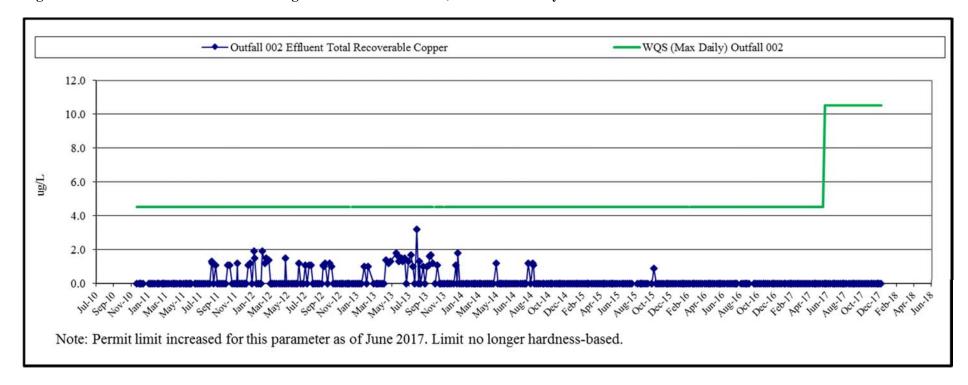


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

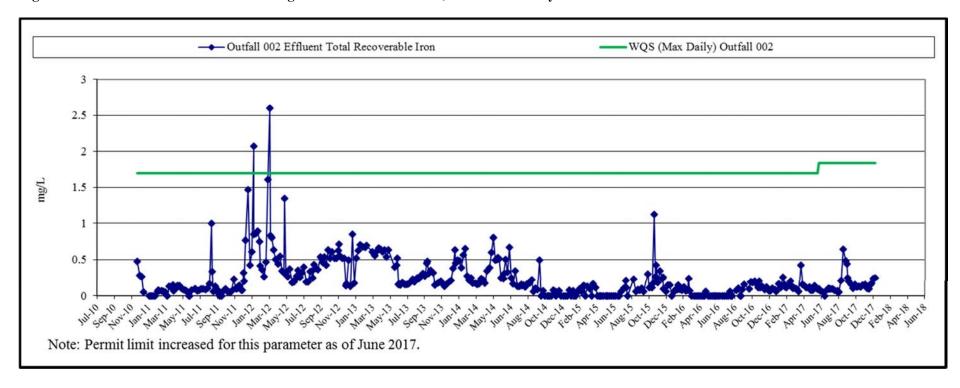


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

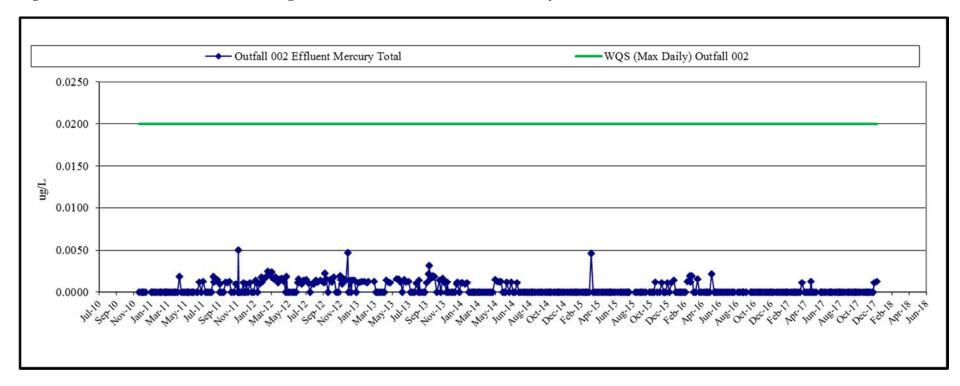


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

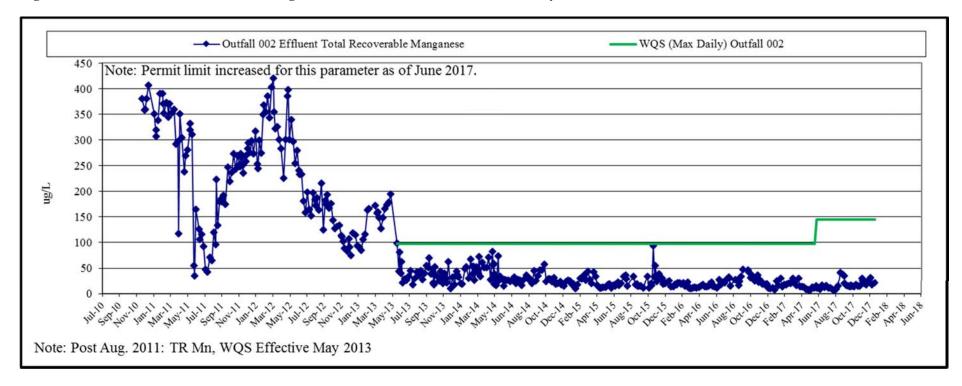


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

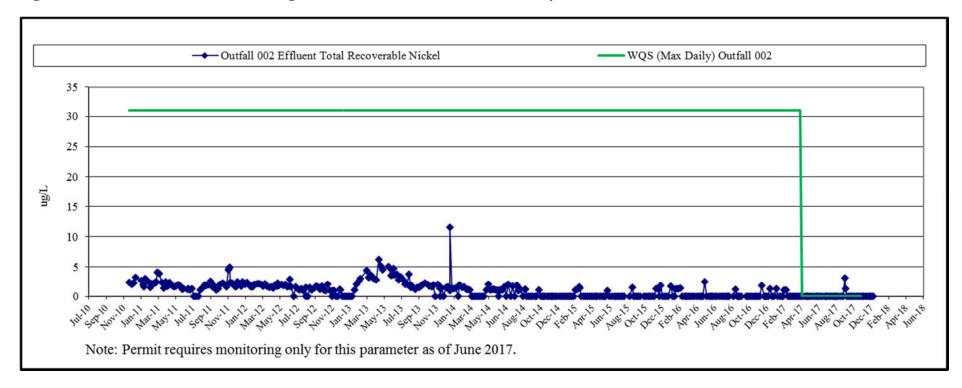


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

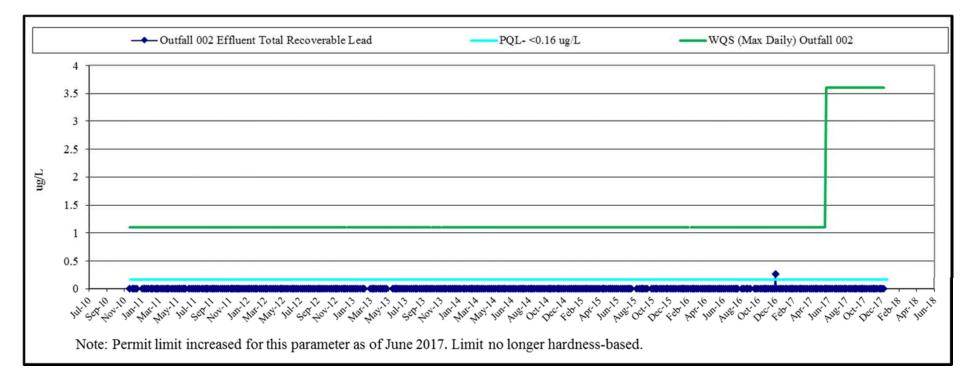


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry

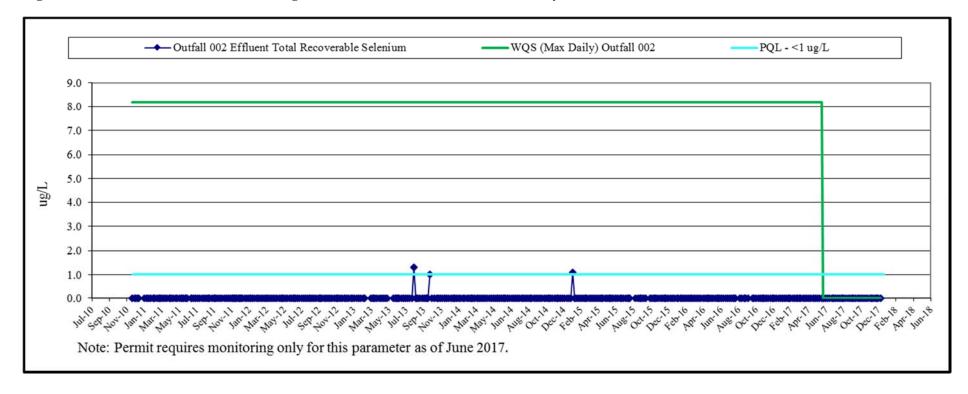
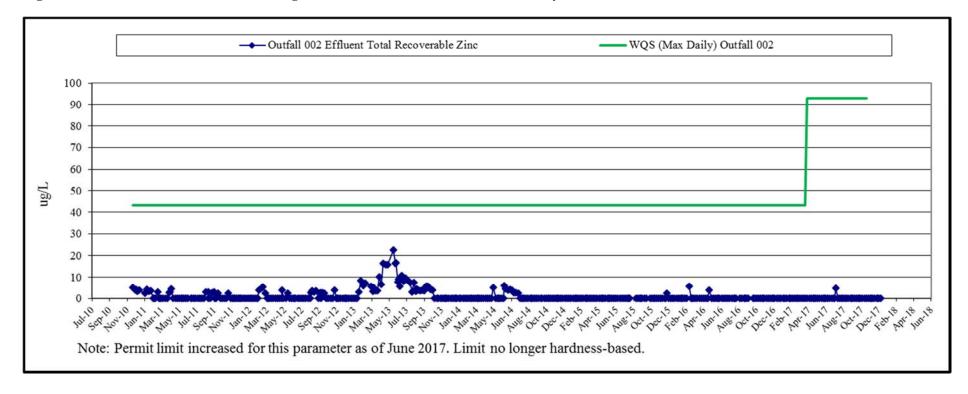


Figure 19c: Outfall 002 Effluent Monitoring Results Dec. 2010-2017, Trace Chemistry



## Appendix A

| 001 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                             | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                             | Collect Date/Time | Jan-17-2017      | Jan-17-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.41             | 1.39          | 1.4    | 0.02              | 1.4          |                  |
| Nitrate as N                | mg/L              | 6.73             | 6.72          | 6.725  | 0.01              | 0.1          |                  |
| Sulfate as S                |                   | 86.3             | 90.7          | 88.5   | 4.4               | 5.0          |                  |
| Total Dissolved Solids      | mg/L              | 340              | 350           | 345    | 10                | 2.9          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.65             | 0.7           | 0.675  | 0.05              | 7.4          |                  |
| Total Recoverable Aluminum  | ug/L              | 13.2             | 11.2          | 12.2   | 2                 | 16.4         |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.14             | 0.133         | 0.1365 | 0.007             | 5.1          |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 34.2             | 36.2          | 35.2   | 2                 | 5.7          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                                    | Collect Date/Time | Feb-13-2017      | Feb-13-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.23             | 1.26          | 1.245  | 0.03              | 2.4          |                  |
| Nitrate as N                       | mg/L              | 7.56             | 7.76          | 7.66   | 0.2               | 2.6          |                  |
| Sulfate as S                       | mg/L              | 91.9             | 95            | 93.45  | 3.1               | 3.3          |                  |
| Total Dissolved Solids             | mg/L              | 396              | 403           | 399.5  | 7                 | 1.8          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 1.46             | 1.61          | 1.535  | 0.15              | 9.8          |                  |
| Total Recoverable Aluminum         | ug/L              | 16.5             | 14.6          | 15.55  | 1.9               | 12.2         |                  |
| Total Recoverable Cadmium          | ug/L              | 0.036            | 0.020         | 0.028  | 0.016             | 57.1         | Yes              |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.191            | 0.184         | 0.1875 | 0.007             | 3.7          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 21.4             | 21            | 21.2   | 0.4               | 1.9          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                                    | Collect Date/Time | Mar-27-2017      | Mar-27-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.38             | 1.37          | 1.375  | 0.01              | 0.7          |                  |
| Nitrate as N                       | mg/L              | 8.37             | 8.39          | 8.38   | 0.02              | 0.2          |                  |
| Sulfate as S                       | mg/L              | 89.1             | 94.6          | 91.85  | 5.5               | 6.0          |                  |
| Total Dissolved Solids             | mg/L              | 370              | 383           | 376.5  | 13                | 3.5          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 1.21             | 0.81          | 1.01   | 0.4               | 39.6         | Yes              |
| Total Recoverable Aluminum         | ug/L              | 16.6             | 16            | 16.3   | 0.6               | 3.7          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.022            | 0.024         | 0.023  | 0.002             | 8.7          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.157            | 0.16          | 0.1585 | 0.003             | 1.9          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 11.4             | 11.3          | 11.35  | 0.1               | 0.9          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                                    | Collect Date/Time | Apr-10-2017      | Apr-10-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.32             | 1.32          | 1.32   | 0                 | 0.0          |                  |
| Nitrate as N                       | mg/L              | 4.87             | 4.89          | 4.88   | 0.02              | 0.4          |                  |
| Sulfate as S                       | mg/L              | 75.7             | 77.5          | 76.6   | 1.8               | 2.3          |                  |
| Total Dissolved Solids             | mg/L              | 326              | 326           | 326    | 0                 | 0.0          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.7              | 0.75          | 0.725  | 0.05              | 6.9          |                  |
| Total Recoverable Aluminum         | ug/L              | 14               | 13.9          | 13.95  | 0.1               | 0.7          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.112            | 0.117         | 0.1145 | 0.005             | 4.4          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 16.4             | 16.5          | 16.45  | 0.1               | 0.6          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                                    | Collect Date/Time | May-08-2017      | May-08-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.75             | 1.7           | 1.725  | 0.05              | 2.9          |                  |
| Nitrate as N                       | mg/L              | 4.4              | 4.41          | 4.405  | 0.01              | 0.2          |                  |
| Sulfate as S                       | mg/L              | 44.2             | 47.2          | 45.7   | 3                 | 6.6          |                  |
| Total Dissolved Solids             | mg/L              | 277              | 267           | 272    | 10                | 3.7          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.52             | 0.51          | 0.515  | 0.01              | 1.9          |                  |
| Total Recoverable Aluminum         | ug/L              | 13.2             | 12.6          | 12.9   | 0.6               | 4.7          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.128            | 0.133         | 0.1305 | 0.005             | 3.8          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 8                | 7.9           | 7.95   | 0.1               | 1.3          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |       |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|-------|-------------------|--------------|------------------|
|                             | Stn.Code          | CAK-099          | CAK-001EFF    |       |                   |              |                  |
|                             | Collect Date/Time | Jun-26-2017      | Jun-26-2017   | Mean  | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 2.54             | 2.52          | 2.53  | 0.02              | 0.8          |                  |
| Nitrate as N                | mg/L              | 5.16             | 5.18          | 5.17  | 0.02              | 0.4          |                  |
| Sulfate as S                | mg/L              | 42.4             | 42.6          | 42.5  | 0.2               | 0.5          |                  |
| Total Dissolved Solids      | mg/L              | 246              | 250           | 248   | 4                 | 1.6          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4     | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 1.94             | 2.33          | 2.135 | 0.39              | 18.3         |                  |
| Total Recoverable Aluminum  | ug/L              | 37.7             | 38.2          | 37.95 | 0.5               | 1.3          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02  | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1     | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.098            | 0.11          | 0.104 | 0.012             | 11.5         |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16  | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 28.2             | 28.8          | 28.5  | 0.6               | 2.1          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1     | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5   | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                                    | Collect Date/Time | Jul-10-2017      | Jul-10-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.31             | 1.31          | 1.31   | 0                 | 0.0          |                  |
| Nitrate as N                       | mg/L              | 3.7              | 3.71          | 3.705  | 0.01              | 0.3          |                  |
| Sulfate as S                       | mg/L              | 38.6             | 39.5          | 39.05  | 0.9               | 2.3          |                  |
| Total Dissolved Solids             | mg/L              | 240              | 233           | 236.5  | 7                 | 3.0          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 5.0           | 4.5    | 1                 | 22.2         | Yes              |
| Lab Turbidity                      | NTU               | 0.88             | 0.79          | 0.835  | 0.09              | 10.8         |                  |
| Total Recoverable Aluminum         | ug/L              | 11.1             | 10.3          | 10.7   | 0.8               | 7.5          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.13             | 0.141         | 0.1355 | 0.011             | 8.1          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 41.1             | 39.9          | 40.5   | 1.2               | 3.0          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |        |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|--------|-------------------|--------------|------------------|
|                             | Stn.Code          | CAK-099          | CAK-001EFF    |        |                   |              |                  |
|                             | Collect Date/Time | Aug-14-2017      | Aug-14-2017   | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 2.83             | 2.82          | 2.825  | 0.01              | 0.4          |                  |
| Nitrate as N                | mg/L              | 7.47             | 7.47          | 7.47   | 0                 | 0.0          |                  |
| Sulfate as S                | mg/L              | 73.1             | 74            | 73.55  | 0.9               | 1.2          |                  |
| Total Dissolved Solids      | mg/L              | 335              | 331           | 333    | 4                 | 1.2          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4      | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.37             | 0.36          | 0.365  | 0.01              | 2.7          |                  |
| Total Recoverable Aluminum  | ug/L              | 6.1              | 5.8           | 5.95   | 0.3               | 5.0          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.101            | 0.098         | 0.0995 | 0.003             | 3.0          |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16   | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 23.9             | 23.5          | 23.7   | 0.4               | 1.7          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1      | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5    | 0                 | 0.0          |                  |

| 001 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |             |                   |                     |                  |
|-----------------------------|-------------------|------------------|---------------|-------------|-------------------|---------------------|------------------|
|                             | Stn.Code          | CAK-099          | CAK-001EFF    |             |                   |                     |                  |
|                             | Collect Date/Time | Sep-13-2017      | Sep-13-2017   | <u>Mean</u> | <u>Difference</u> | <u>% Difference</u> | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 2.04             | 2.04          | 2.04        | 0                 | 0.0                 |                  |
| Nitrate as N                | mg/L              | 5.23             | 5.22          | 5.225       | 0.01              | 0.2                 |                  |
| Sulfate as S                | mg/L              | 42.1             | 41.7          | 41.9        | 0.4               | 1.0                 |                  |
| Total Dissolved Solids      | mg/L              | 251              | 254           | 252.5       | 3                 | 1.2                 |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4           | 0                 | 0.0                 |                  |
| Lab Turbidity               | NTU               | 0.55             | 0.77          | 0.66        | 0.22              | 33.3                | Yes              |
| Total Recoverable Aluminum  | ug/L              | 8                | 5.9           | 6.95        | 2.1               | 30.2                | Yes              |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02        | 0                 | 0.0                 |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Iron      | mg/L              | 0.118            | 0.113         | 0.1155      | 0.005             | 4.3                 |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16        | 0                 | 0.0                 |                  |
| Total Recoverable Manganese | ug/L              | 12               | 11.9          | 11.95       | 0.1               | 0.8                 |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5         | 0                 | 0.0                 |                  |

| 001 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |             |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|-------------|-------------------|--------------|------------------|
|                             | Stn.Code          | CAK-099          | CAK-001EFF    |             |                   |              |                  |
|                             | Collect Date/Time | Oct-09-2017      | Oct-09-2017   | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.79             | 1.75          | 1.77        | 0.04              | 2.3          |                  |
| Nitrate as N                | mg/L              | 4.25             | 4.41          | 4.33        | 0.16              | 3.7          |                  |
| Sulfate as S                | mg/L              | 40.5             | 38.3          | 39.4        | 2.2               | 5.6          |                  |
| Total Dissolved Solids      | mg/L              | 260              | 248           | 254         | 12                | 4.7          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4           | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.49             | 0.86          | 0.675       | 0.37              | 54.8         | Yes              |
| Total Recoverable Aluminum  | ug/L              | 7.7              | 7.9           | 7.8         | 0.2               | 2.6          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.137            | 0.125         | 0.131       | 0.012             | 9.2          |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 10.5             | 10.1          | 10.3        | 0.4               | 3.9          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5         | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |             |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|-------------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |             |                   |              |                  |
|                                    | Collect Date/Time | Nov-13-2017      | Nov-13-2017   | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 2.13             | 2.12          | 2.125       | 0.01              | 0.5          |                  |
| Nitrate as N                       | mg/L              | 7.62             | 7.62          | 7.62        | 0                 | 0.0          |                  |
| Sulfate as S                       | mg/L              | 53.3             | 52.6          | 52.95       | 0.7               | 1.3          |                  |
| Total Dissolved Solids             | mg/L              | 287              | 299           | 293         | 12                | 4.1          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 5.0           | 4.5         | 1                 | 22.2         | Yes              |
| Lab Turbidity                      | NTU               | 0.35             | 0.3           | 0.325       | 0.05              | 15.4         |                  |
| Total Recoverable Aluminum         | ug/L              | 5.4              | 5.3           | 5.35        | 0.1               | 1.9          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.023         | 0.0215      | 0.003             | 14.0         |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.125            | 0.1           | 0.1125      | 0.025             | 22.2         | Yes              |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16        | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 8.4              | 8.2           | 8.3         | 0.2               | 2.4          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5         | 0                 | 0.0          |                  |

| 001 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |       |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|-------|-------------------|--------------|------------------|
|                                    | Stn.Code          | CAK-099          | CAK-001EFF    |       |                   |              |                  |
|                                    | Collect Date/Time | Dec-11-2017      | Dec-11-2017   | Mean  | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 2.16             | 2.15          | 2.155 | 0.01              | 0.5          |                  |
| Nitrate as N                       | mg/L              | 7.32             | 8.66          | 7.99  | 1.34              | 16.8         |                  |
| Sulfate as S                       | mg/L              | 56.4             | 58.8          | 57.6  | 2.4               | 4.2          |                  |
| Total Dissolved Solids             | mg/L              | 285              | 328           | 306.5 | 43                | 14.0         |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 5.2           | 4.6   | 1.2               | 26.1         | Yes              |
| Lab Turbidity                      | NTU               | 0.54             | 0.69          | 0.615 | 0.15              | 24.4         | Yes              |
| Total Recoverable Aluminum         | ug/L              | 7.6              | 7.2           | 7.4   | 0.4               | 5.4          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02  | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1     | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.147            | 0.159         | 0.153 | 0.012             | 7.8          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16  | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 23.5             | 23.7          | 23.6  | 0.2               | 0.8          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1     | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5   | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |                     |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|---------------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |                     |                  |
|                                    | Collect Date/Time | Jan-17-2017      | Jan-17-2017   | Mean | <b>Difference</b> | <u>% Difference</u> | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.57             | 1.55          | 1.56 | 0.02              | 1.3                 |                  |
| Nitrate as N                       | mg/L              | 4.77             | 4.79          | 4.78 | 0.02              | 0.4                 |                  |
| Sulfate as S                       | mg/L              | 232              | 233           | 233  | 1                 | 0.4                 |                  |
| Total Dissolved Solids             | mg/L              | 440              | 439           | 440  | 1                 | 0.2                 |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0                 |                  |
| Lab Turbidity                      | NTU               | 0.37             | 1             | 0.69 | 0.63              | 92.0                | Yes              |
| Total Recoverable Aluminum         | ug/L              | 7.7              | 8.7           | 8.2  | 1                 | 12.2                |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0                 |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0                 |                  |
| Total Recoverable Iron             | mg/L              | 0.162            | 0.166         | 0.16 | 0.004             | 2.4                 |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0                 |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 23.8             | 24.8          | 24.3 | 1                 | 4.1                 |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.3           | 1.15 | 0.3               | 26.1                | Yes              |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0                 |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0                 |                  |

| 002 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                             | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                             | Collect Date/Time | Feb-13-2017      | Feb-13-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.75             | 1.75          | 1.75 | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L              | 4.36             | 4.39          | 4.38 | 0.03              | 0.7          |                  |
| Sulfate as S                | mg/L              | 212              | 222           | 217  | 10                | 4.6          |                  |
| Total Dissolved Solids      | mg/L              | 408              | 408           | 408  | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.47             | 0.41          | 0.44 | 0.06              | 13.6         |                  |
| Total Recoverable Aluminum  | ug/L              | 7.4              | 6.2           | 6.8  | 1.2               | 17.6         |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.096            | 0.109         | 0.1  | 0.013             | 12.7         |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 17.6             | 17.6          | 17.6 | 0                 | 0.0          |                  |
| Total Recoverable Nickel    | ug/L              | 1.1              | 1.1           | 1.1  | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury               | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                             | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                             | Collect Date/Time | Mar-27-2017      | Mar-27-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.6              | 1.6           | 1.6  | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L              | 3.92             | 4.01          | 3.97 | 0.09              | 2.3          |                  |
| Sulfate as S                | mg/L              | 174              | 175           | 175  | 1                 | 0.6          |                  |
| Total Dissolved Solids      | mg/L              | 379              | 389           | 384  | 10                | 2.6          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.66             | 0.37          | 0.52 | 0.29              | 56.3         | Yes              |
| Total Recoverable Aluminum  | ug/L              | 5.2              | 4.7           | 4.95 | 0.5               | 10.1         |                  |
| Total Recoverable Cadmium   | ug/L              | 0.029            | 0.021         | 0.03 | 0.008             | 32.0         | Yes              |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.066            | 0.054         | 0.06 | 0.012             | 20.0         |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 17.4             | 16.1          | 16.8 | 1.3               | 7.8          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury               | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                          |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|--------------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                          |              |                  |
|                                    | Collect Date/Time | Apr-10-2017      | Apr-10-2017   | Mean | <b><u>Difference</u></b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.65             | 1.65          | 1.65 | 0                        | 0.0          |                  |
| Nitrate as N                       | mg/L              | 3.99             | 3.94          | 3.97 | 0.05                     | 1.3          |                  |
| Sulfate as S                       | mg/L              | 171              | 172           | 172  | 1                        | 0.6          |                  |
| Total Dissolved Solids             | mg/L              | 363              | 370           | 367  | 7                        | 1.9          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4    | 0                        | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.77             | 0.78          | 0.78 | 0.01                     | 1.3          |                  |
| Total Recoverable Aluminum         | ug/L              | 9.1              | 9.9           | 9.5  | 0.8                      | 8.4          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                        | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                        | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.152            | 0.151         | 0.15 | 0.001                    | 0.7          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                        | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 14.3             | 14.4          | 14.4 | 0.1                      | 0.7          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                        | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                        | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                        | 0.0          |                  |

| 002 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                             | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                             | Collect Date/Time | May-08-2017      | May-08-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.68             | 1.67          | 1.68 | 0.01              | 0.6          |                  |
| Nitrate as N                | mg/L              | 3.97             | 3.83          | 3.9  | 0.14              | 3.6          |                  |
| Sulfate as S                | mg/L              | 179              | 182           | 181  | 3                 | 1.7          |                  |
| Total Dissolved Solids      | mg/L              | 411              | 400           | 406  | 11                | 2.7          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.36             | 0.34          | 0.35 | 0.02              | 5.7          |                  |
| Total Recoverable Aluminum  | ug/L              | 5.1              | 5.5           | 5.3  | 0.4               | 7.5          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.076            | 0.075         | 0.08 | 0.001             | 1.3          |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 7.5              | 7.3           | 7.4  | 0.2               | 2.7          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury               | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                                    | Collect Date/Time | Jun-26-2017      | Jun-26-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.7              | 1.7           | 1.7  | 0                 | 0.0          |                  |
| Nitrate as N                       | mg/L              | 4.74             | 4.75          | 4.75 | 0.01              | 0.2          |                  |
| Sulfate as S                       | mg/L              | 241              | 243           | 242  | 2                 | 0.8          |                  |
| Total Dissolved Solids             | mg/L              | 450              | 453           | 452  | 3                 | 0.7          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.44             | 0.52          | 0.48 | 0.08              | 16.7         |                  |
| <b>Total Recoverable Aluminum</b>  | ug/L              | 8.7              | 7.3           | 8    | 1.4               | 17.5         |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.063            | 0.05          | 0.06 | 0.013             | 23.0         | Yes              |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 16.5             | 16.9          | 16.7 | 0.4               | 2.4          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                                    | Collect Date/Time | Jul-10-2017      | Jul-10-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.59             | 1.58          | 1.59 | 0.01              | 0.6          |                  |
| Nitrate as N                       | mg/L              | 4.72             | 4.69          | 4.71 | 0.03              | 0.6          |                  |
| Sulfate as S                       | mg/L              | 210              | 211           | 211  | 1                 | 0.5          |                  |
| Total Dissolved Solids             | mg/L              | 441              | 431           | 436  | 10                | 2.3          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 5.0           | 4.5  | 1                 | 22.2         | Yes              |
| Lab Turbidity                      | NTU               | 0.61             | 0.59          | 0.6  | 0.02              | 3.3          |                  |
| Total Recoverable Aluminum         | ug/L              | 9.5              | 10            | 9.75 | 0.5               | 5.1          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.102            | 0.1           | 0.1  | 0.002             | 2.0          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 15.2             | 14.9          | 15.1 | 0.3               | 2.0          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                                    | Collect Date/Time | Aug-14-2017      | Aug-14-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.46             | 1.48          | 1.47 | 0.02              | 1.4          |                  |
| Nitrate as N                       | mg/L              | 4.75             | 4.65          | 4.7  | 0.1               | 2.1          |                  |
| Sulfate as S                       | mg/L              | 220              | 220           | 220  | 0                 | 0.0          |                  |
| Total Dissolved Solids             | mg/L              | 446              | 440           | 443  | 6                 | 1.4          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.35             | 0.34          | 0.35 | 0.01              | 2.9          |                  |
| Total Recoverable Aluminum         | ug/L              | 5.7              | 5.9           | 5.8  | 0.2               | 3.4          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.052            | 0.053         | 0.05 | 0.001             | 1.9          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 8.6              | 8.7           | 8.65 | 0.1               | 1.2          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                             | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                             | Collect Date/Time | Sep-13-2017      | Sep-13-2017   | Mean | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.45             | 1.35          | 1.4  | 0.1               | 7.1          |                  |
| Nitrate as N                | mg/L              | 4.55             | 4.53          | 4.54 | 0.02              | 0.4          |                  |
| Sulfate as S                | mg/L              | 240              | 235           | 238  | 5                 | 2.1          |                  |
| Total Dissolved Solids      | mg/L              | 446              | 443           | 445  | 3                 | 0.7          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.66             | 1.09          | 0.88 | 0.43              | 49.1         | Yes              |
| Total Recoverable Aluminum  | ug/L              | 20.2             | 13.8          | 17   | 6.4               | 37.6         | Yes              |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.28             | 0.241         | 0.26 | 0.039             | 15.0         |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 21.6             | 20.3          | 21   | 1.3               | 6.2          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.3           | 1.15 | 0.3               | 26.1         | Yes              |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury               | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|-----------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                             | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                             | Collect Date/Time | Oct-09-2017      | Oct-09-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                | mg/L              | 1.38             | 1.34          | 1.36 | 0.04              | 2.9          |                  |
| Nitrate as N                | mg/L              | 4.28             | 4.28          | 4.28 | 0                 | 0.0          |                  |
| Sulfate as S                | mg/L              | 229              | 226           | 228  | 3                 | 1.3          |                  |
| Total Dissolved Solids      | mg/L              | 447              | 429           | 438  | 18                | 4.1          |                  |
| Total Suspended Solids      | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity               | NTU               | 0.44             | 0.49          | 0.47 | 0.05              | 10.8         |                  |
| Total Recoverable Aluminum  | ug/L              | 9.6              | 10.2          | 9.9  | 0.6               | 6.1          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron      | mg/L              | 0.151            | 0.154         | 0.15 | 0.003             | 2.0          |                  |
| Total Recoverable Lead      | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 15               | 15            | 15   | 0                 | 0.0          |                  |
| Total Recoverable Nickel    | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury               | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                                    | Collect Date/Time | Nov-13-2017      | Nov-13-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.37             | 1.37          | 1.37 | 0                 | 0.0          |                  |
| Nitrate as N                       | mg/L              | 4.77             | 4.77          | 4.77 | 0                 | 0.0          |                  |
| Sulfate as S                       | mg/L              | 227              | 229           | 228  | 2                 | 0.9          |                  |
| Total Dissolved Solids             | mg/L              | 455              | 437           | 446  | 18                | 4.0          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 4.0           | 4    | 0                 | 0.0          |                  |
| Lab Turbidity                      | NTU               | 0.52             | 0.58          | 0.55 | 0.06              | 10.9         |                  |
| <b>Total Recoverable Aluminum</b>  | ug/L              | 6.1              | 6.8           | 6.45 | 0.7               | 10.9         |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.156            | 0.159         | 0.16 | 0.003             | 1.9          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 29.3             | 30.5          | 29.9 | 1.2               | 4.0          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.001         | 0    | 0                 | 0.0          |                  |

| 002 EFFLUENT                       |                   | <u>Duplicate</u> | <u>Sample</u> |      |                   |              |                  |
|------------------------------------|-------------------|------------------|---------------|------|-------------------|--------------|------------------|
|                                    | Stn. Code         | CAK-098          | Outfall 002   |      |                   |              |                  |
|                                    | Collect Date/Time | Dec-11-2017      | Dec-11-2017   | Mean | <b>Difference</b> | % Difference | <u>&gt;20% ?</u> |
| Ammonia as N                       | mg/L              | 1.31             | 1.31          | 1.31 | 0                 | 0.0          |                  |
| Nitrate as N                       | mg/L              | 4.83             | 4.84          | 4.84 | 0.01              | 0.2          |                  |
| Sulfate as S                       | mg/L              | 233              | 232           | 233  | 1                 | 0.4          |                  |
| <b>Total Dissolved Solids</b>      | mg/L              | 422              | 423           | 423  | 1                 | 0.2          |                  |
| Total Suspended Solids             | mg/L              | 4.0              | 5.6           | 4.8  | 1.6               | 33.3         | Yes              |
| Lab Turbidity                      | NTU               | 0.53             | 0.55          | 0.54 | 0.02              | 3.7          |                  |
| <b>Total Recoverable Aluminum</b>  | ug/L              | 7.1              | 6.9           | 7    | 0.2               | 2.9          |                  |
| Total Recoverable Cadmium          | ug/L              | 0.020            | 0.020         | 0.02 | 0                 | 0.0          |                  |
| Total Recoverable Copper           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Iron             | mg/L              | 0.242            | 0.239         | 0.24 | 0.003             | 1.2          |                  |
| Total Recoverable Lead             | ug/L              | 0.16             | 0.16          | 0.16 | 0                 | 0.0          |                  |
| <b>Total Recoverable Manganese</b> | ug/L              | 32.8             | 31.1          | 32   | 1.7               | 5.3          |                  |
| Total Recoverable Nickel           | ug/L              | 1.0              | 1.0           | 1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc             | ug/L              | 2.5              | 2.5           | 2.5  | 0                 | 0.0          |                  |
| Total Mercury                      | ug/L              | 0.001            | 0.0011        | 0    | 0.0001            | 9.5          |                  |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | SH105<br>CAK-SH105 |             |                   |              |                 |
|-----------------------------|-----------------------------|---------------------------------------|--------------------|-------------|-------------------|--------------|-----------------|
|                             | Sample No.                  | Jan-10-2017                           | Jan-10-2017        | <u>Mean</u> | <b>Difference</b> | % Difference | <b>&gt;20%?</b> |
| Turbidity Lab               | NTU                         | 0.36                                  | 0.33               | 0.345       | 0.03              | 8.7          |                 |
| Color                       | Color Unit                  | 5.0                                   | 5.0                | 5           | 0                 | 0.0          |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0                | 4           | 0                 | 0.0          |                 |
| Ammonia as N                | mg/L                        | 0.22                                  | 0.22               | 0.22        | 0                 | 0.0          |                 |
| Nitrate as N                | mg/L                        | 3.47                                  | 3.46               | 3.465       | 0.01              | 0.3          |                 |
| Hardness, Total             | mg/L                        | 92.7                                  | 93                 | 92.85       | 0.3               | 0.3          |                 |
| Chloride                    | mg/L                        | 14                                    | 14                 | 14          | 0                 | 0.0          |                 |
| Sulfate                     | mg/L                        | 54.5                                  | 54.3               | 54.4        | 0.2               | 0.4          |                 |
| Total Dissolved Solids      | mg/L                        | 188                                   | 180                | 184         | 8                 | 4.3          |                 |
| Total Recoverable Aluminum  | ug/L                        | 16.3                                  | 16.4               | 16.35       | 0.1               | 0.6          |                 |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.020                                 | 0.020              | 0.02        | 0                 | 0.0          |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                 |
| Total Recoverable Manganese | ug/L                        | 4.3                                   | 4.2                | 4.25        | 0.1               | 2.4          |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1                  | 1           | 0                 | 0.0          |                 |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Aluminum          | ug/L                        | 12.4                                  | 13                 | 12.7        | 0.6               | 4.7          |                 |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Cadmium           | ug/L                        | 0.020                                 | 0.020              | 0.02        | 0                 | 0.0          |                 |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05               | 0.05        | 0                 | 0.0          |                 |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                 |
| Dissolved Manganese         | ug/L                        | 3.7                                   | 3.8                | 3.75        | 0.1               | 2.7          |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001              | 0.001       | 0                 | 0.0          |                 |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | JS2<br>CAK-JS2 |             |                   |              |                 |
|-----------------------------|-----------------------------|---------------------------------------|----------------|-------------|-------------------|--------------|-----------------|
|                             | Sample No.                  | Jan-11-2017                           | Jan-11-2017    | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20%?</u> |
| Turbidity Lab               | NTU                         | 0.15                                  | 0.13           | 0.14        | 0.02              | 14.3         |                 |
| Color                       | Color Unit                  | 5.0                                   | 5.0            | 5           | 0                 | 0.0          |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0            | 4           | 0                 | 0.0          |                 |
| Ammonia as N                | mg/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Nitrate as N                | mg/L                        | 0.201                                 | 0.2            | 0.2005      | 0.001             | 0.5          |                 |
| Hardness, Total             | mg/L                        | 18.1                                  | 17.7           | 17.9        | 0.4               | 2.2          |                 |
| Chloride                    | mg/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Sulfate                     | mg/L                        | 2.23                                  | 2.28           | 2.255       | 0.05              | 2.2          |                 |
| Total Dissolved Solids      | mg/L                        | 22                                    | 29             | 25.5        | 7                 | 27.5         | Yes             |
| Total Recoverable Aluminum  | ug/L                        | 5.8                                   | 3              | 4.4         | 2.8               | 63.6         | Yes             |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0          |                 |
| Total Recoverable Manganese | ug/L                        | 1.3                                   | 1.4            | 1.35        | 0.1               | 7.4          |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Aluminum          | ug/L                        | 1.8                                   | 7.7            | 4.75        | 5.9               | 124.2        | Yes             |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Cadmium           | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05           | 0.05        | 0                 | 0.0          |                 |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0          |                 |
| Dissolved Manganese         | ug/L                        | 1.2                                   | 1.2            | 1.2         | 0                 | 0.0          |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001          | 0.001       | 0                 | 0.0          |                 |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | MLA<br>CAK-MLA |           | D100              | 0 / D100     | 200/ 0           |
|-----------------------------|-----------------------------|---------------------------------------|----------------|-----------|-------------------|--------------|------------------|
| T 1'1' I 1                  | Sample No.                  | Jan-12-2017                           | Jan-12-2017    | Mean 0.46 | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Turbidity Lab               | NTU                         | 0.45                                  | 0.47           | 0.46      | 0.02              | 4.3          | 3.7              |
| Color                       | Color Unit                  | 50                                    | 40             | 45        | 10                | 22.2         | Yes              |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0            | 4         | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                        | 0.10                                  | 0.10           | 0.1       | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                        | 0.050                                 | 0.050          | 0.05      | 0                 | 0.0          |                  |
| Hardness, Total             | mg/L                        | 61.1                                  | 58.3           | 59.7      | 2.8               | 4.7          |                  |
| Chloride                    | mg/L                        | 1.2                                   | 1.2            | 1.2       | 0                 | 0.0          |                  |
| Sulfate                     | mg/L                        | 2.96                                  | 3.06           | 3.01      | 0.1               | 3.3          |                  |
| Total Dissolved Solids      | mg/L                        | 76                                    | 73             | 74.5      | 3                 | 4.0          |                  |
| Total Recoverable Aluminum  | ug/L                        | 42                                    | 43             | 42.5      | 1                 | 2.4          |                  |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Total Recoverable Cadmium   | ug/L                        | 0.10                                  | 0.10           | 0.1       | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16           | 0.16      | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                        | 29.2                                  | 29.5           | 29.35     | 0.3               | 1.0          |                  |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10           | 0.1       | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                        | 39.9                                  | 42.1           | 41        | 2.2               | 5.4          |                  |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Dissolved Cadmium           | ug/L                        | 0.10                                  | 0.10           | 0.1       | 0                 | 0.0          |                  |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                        | 0.139                                 | 0.141          | 0.14      | 0.002             | 1.4          |                  |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16           | 0.16      | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                        | 26.7                                  | 28.1           | 27.4      | 1.4               | 5.1          |                  |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0            | 1         | 0                 | 0.0          |                  |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10           | 0.1       | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5            | 2.5       | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L                        | 0.0013                                | 0.0015         | 0.0014    | 0.0002            | 14.3         |                  |

|                             | Stn.Code                      | Blind Duplicate RW Station | JS5                    |       |            |              |       |
|-----------------------------|-------------------------------|----------------------------|------------------------|-------|------------|--------------|-------|
|                             | Collection Date<br>Sample No. | CAK-069<br>Feb-21-2017     | CAK-JS5<br>Feb-21-2017 | Mean  | Difference | % Difference | >20%? |
| Turbidity Lab               | NTU                           | 0.28                       | 0.14                   | 0.21  | 0.14       | 66.7         | Yes   |
| Color                       | Color Unit                    | 5.0                        | 5.0                    | 5     | 0.14       | 0.0          | 103   |
| Total Suspended Solids      | mg/L                          | 4.0                        | 4.0                    | 4     | 0          | 0.0          |       |
| Ammonia as N                | mg/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Nitrate as N                | mg/L                          | 1.11                       | 1.11                   | 1.11  | 0          | 0.0          |       |
| Hardness, Total             | mg/L                          | 39.1                       | 40.9                   | 40    | 1.8        | 4.5          |       |
| Chloride                    | mg/L                          | 1.1                        | 1.1                    | 1.1   | 0          | 0.0          |       |
| Sulfate                     | mg/L                          | 9                          | 9                      | 9     | 0          | 0.0          |       |
| Total Dissolved Solids      | mg/L                          | 63                         | 66                     | 64.5  | 3          | 4.7          |       |
| Total Recoverable Aluminum  | ug/L                          | 8.6                        | 8.9                    | 8.75  | 0.3        | 3.4          |       |
| Total Recoverable Arsenic   | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0.5        | 0.0          |       |
| Total Recoverable Cadmium   | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Total Recoverable Copper    | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Total Recoverable Lead      | ug/L                          | 0.16                       | 0.16                   | 0.16  | 0          | 0.0          |       |
| Total Recoverable Manganese | ug/L                          | 1.9                        | 2.1                    | 2     | 0.2        | 10.0         |       |
| Total Recoverable Nickel    | ug/L                          | 1.0                        | 1.0                    | 1     | 0.2        | 0.0          |       |
| Total Recoverable Selenium  | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Total Recoverable Silver    | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Total Recoverable Zinc      | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Total Chromium              | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Aluminum          | ug/L                          | 7                          | 6.8                    | 6.9   | 0.2        | 2.9          |       |
| Dissolved Arsenic           | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Cadmium           | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Dissolved Chromium          | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Copper            | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Iron              | mg/L                          | 0.05                       | 0.05                   | 0.05  | 0          | 0.0          |       |
| Dissolved Lead              | ug/L                          | 0.16                       | 0.16                   | 0.16  | 0          | 0.0          |       |
| Dissolved Manganese         | ug/L                          | 1.7                        | 1.7                    | 1.7   | 0          | 0.0          |       |
| Dissolved Nickel            | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Selenium          | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Silver            | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Dissolved Zinc              | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Mercury Dissolved           | ug/L                          | 0.001                      | 0.001                  | 0.001 | 0          | 0.0          |       |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | SMP-5<br>CAK-SMP-5 |             |                   |              |                 |
|-----------------------------|-----------------------------|---------------------------------------|--------------------|-------------|-------------------|--------------|-----------------|
|                             | Sample No.                  | Feb-16-2017                           | Feb-16-2017        | <u>Mean</u> | <b>Difference</b> | % Difference | <u>&gt;20%?</u> |
| Turbidity Lab               | NTU                         | 0.64                                  | 0.64               | 0.64        | 0                 | 0.0          |                 |
| Color                       | Color Unit                  | 50                                    | 50                 | 50          | 0                 | 0.0          |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0                | 4           | 0                 | 0.0          |                 |
| Ammonia as N                | mg/L                        | 0.44                                  | 0.65               | 0.545       | 0.21              | 38.5         | Yes             |
| Nitrate as N                | mg/L                        | 1.33                                  | 1.31               | 1.32        | 0.02              | 1.5          |                 |
| Hardness, Total             | mg/L                        | 85.9                                  | 83.4               | 84.65       | 2.5               | 3.0          |                 |
| Chloride                    | mg/L                        | 4.7                                   | 4.6                | 4.65        | 0.1               | 2.2          |                 |
| Sulfate                     | mg/L                        | 62.5                                  | 62.4               | 62.45       | 0.1               | 0.2          |                 |
| Total Dissolved Solids      | mg/L                        | 169                                   | 146                | 157.5       | 23                | 14.6         |                 |
| Total Recoverable Aluminum  | ug/L                        | 68.5                                  | 67.8               | 68.15       | 0.7               | 1.0          |                 |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                 |
| Total Recoverable Manganese | ug/L                        | 19                                    | 18.8               | 18.9        | 0.2               | 1.1          |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Aluminum          | ug/L                        | 60.7                                  | 59.6               | 60.15       | 1.1               | 1.8          |                 |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Cadmium           | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Iron              | mg/L                        | 0.119                                 | 0.108              | 0.1135      | 0.011             | 9.7          |                 |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                 |
| Dissolved Manganese         | ug/L                        | 14.8                                  | 14.8               | 14.8        | 0                 | 0.0          |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                 |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                 |
| Mercury Dissolved           | ug/L                        | 0.0021                                | 0.0022             | 0.00215     | 0.0001            | 4.7          |                 |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | SH109<br>CAK-SH109 |       |                   |              |                 |
|-----------------------------|-----------------------------|---------------------------------------|--------------------|-------|-------------------|--------------|-----------------|
|                             | Sample No.                  | Feb-23-2017                           | Feb-23-2017        | Mean  | <u>Difference</u> | % Difference | <u>&gt;20%?</u> |
| Turbidity Lab               | NTU                         | 0.19                                  | 0.22               | 0.205 | 0.03              | 14.6         |                 |
| Color                       | Color Unit                  | 5.0                                   | 5.0                | 5     | 0                 | 0.0          |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0                | 4     | 0                 | 0.0          |                 |
| Ammonia as N                | mg/L                        | 0.10                                  | 0.10               | 0.1   | 0                 | 0.0          |                 |
| Nitrate as N                | mg/L                        | 0.26                                  | 0.268              | 0.264 | 0.008             | 3.0          |                 |
| Hardness, Total             | mg/L                        | 46.2                                  | 48.4               | 47.3  | 2.2               | 4.7          |                 |
| Chloride                    | mg/L                        | 1.2                                   | 1.3                | 1.25  | 0.1               | 8.0          |                 |
| Sulfate                     | mg/L                        | 10.7                                  | 8.98               | 9.84  | 1.72              | 17.5         |                 |
| Total Dissolved Solids      | mg/L                        | 64                                    | 54                 | 59    | 10                | 16.9         |                 |
| Total Recoverable Aluminum  | ug/L                        | 7.7                                   | 10                 | 8.85  | 2.3               | 26.0         | Yes             |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.10                                  | 0.10               | 0.1   | 0                 | 0.0          |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16               | 0.16  | 0                 | 0.0          |                 |
| Total Recoverable Manganese | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10               | 0.1   | 0                 | 0.0          |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Dissolved Aluminum          | ug/L                        | 8.6                                   | 7.7                | 8.15  | 0.9               | 11.0         |                 |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Dissolved Cadmium           | ug/L                        | 0.24                                  | 0.10               | 0.17  | 0.14              | 82.4         | Yes             |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05               | 0.05  | 0                 | 0.0          |                 |
| Dissolved Lead              | ug/L                        | 0.58                                  | 0.16               | 0.37  | 0.42              | 113.5        | Yes             |
| Dissolved Manganese         | ug/L                        | 1.1                                   | 1.0                | 1.05  | 0.1               | 9.5          |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0                | 1     | 0                 | 0.0          |                 |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10               | 0.1   | 0                 | 0.0          |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5                | 2.5   | 0                 | 0.0          |                 |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001              | 0.001 | 0                 | 0.0          |                 |

|                             | Stn.Code        | Blind Duplicate RW Station | JS4         |        |                   |              |                  |
|-----------------------------|-----------------|----------------------------|-------------|--------|-------------------|--------------|------------------|
|                             | Collection Date | CAK-069<br>Mar-28-2017     | CAK-JS4     | 3.6    | D: 66             | 0/ D: cc     | > 200/ 0         |
| T 1112 T 1                  | Sample No.      |                            | Mar-28-2017 | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Turbidity Lab               | NTU             | 0.21                       | 0.25        | 0.23   | 0.04              | 17.4         |                  |
| Color                       | Color Unit      | 5                          | 5           | 5      | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L            | 4.0                        | 4.0         | 4      | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L            | 0.10                       | 0.10        | 0.1    | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L            | 0.595                      | 0.588       | 0.5915 | 0.007             | 1.2          |                  |
| Hardness, Total             | mg/L            | 61.3                       | 63.3        | 62.3   | 2                 | 3.2          |                  |
| Chloride                    | mg/L            | 2.1                        | 2.1         | 2.1    | 0                 | 0.0          |                  |
| Sulfate                     | mg/L            | 14.2                       | 14.5        | 14.35  | 0.3               | 2.1          |                  |
| Total Dissolved Solids      | mg/L            | 100                        | 89          | 94.5   | 11                | 11.6         |                  |
| Total Recoverable Aluminum  | ug/L            | 14.1                       | 11.1        | 12.6   | 3                 | 23.8         | Yes              |
| Total Recoverable Arsenic   | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Total Recoverable Cadmium   | ug/L            | 0.10                       | 0.10        | 0.1    | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L            | 0.16                       | 0.16        | 0.16   | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L            | 3.5                        | 3.1         | 3.3    | 0.4               | 12.1         |                  |
| Total Recoverable Nickel    | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Total Recoverable Silver    | ug/L            | 0.10                       | 0.10        | 0.1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Total Chromium              | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L            | 9.9                        | 12.2        | 11.05  | 2.3               | 20.8         | Yes              |
| Dissolved Arsenic           | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Dissolved Cadmium           | ug/L            | 0.10                       | 0.10        | 0.1    | 0                 | 0.0          |                  |
| Dissolved Chromium          | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L            | 0.05                       | 0.05        | 0.05   | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L            | 0.16                       | 0.16        | 0.16   | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L            | 3.1                        | 3.1         | 3.1    | 0                 | 0.0          |                  |
| Dissolved Nickel            | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L            | 1.0                        | 1.0         | 1      | 0                 | 0.0          |                  |
| Dissolved Silver            | ug/L            | 0.10                       | 0.10        | 0.1    | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L            | 2.5                        | 2.5         | 2.5    | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L            | 0.001                      | 0.001       | 0.001  | 0                 | 0.0          |                  |

|                                     | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Mar-30-2017 | SLB<br>CAK-SLB<br>Mar-30-2017 | Mean   | Difference | % Difference | >20%?            |
|-------------------------------------|---|--|-------------------------------|--------|------------|--------------|------------------|
| Turbidity Lab                       | NTU                                       | 0.53   | 0.55                          | 0.54   | 0.02       | 3.7          | <u> ~20 % ; </u> |
| Color                               | Color Unit                                | 35   | 30                            | 32.5   | 5          | 15.4         |                  |
|                                     | mg/L                                      | 4.0  | 4.0                           | 32.5   | 0          | 0.0          |                  |
| Total Suspended Solids Ammonia as N |   | 0.55   | 0.55                          | 0.55   | 0          | 0.0          |                  |
|                                     | mg/L                                      | 1.63   |                               | 1.59   | 0.08       | 5.0          |                  |
| Nitrate as N                        | mg/L                                      | 51.9   | 1.55                          |        |            |              | 3.7              |
| Hardness, Total                     | mg/L                                      |  | 104                           | 77.95  | 52.1       | 66.8         | Yes              |
| Chloride                            | mg/L                                      | 4.1  | 4                             | 4.05   | 0.1        | 2.5          |                  |
| Sulfate                             | mg/L                                      | 69.3   | 66                            | 67.65  | 3.3        | 4.9          |                  |
| Total Dissolved Solids              | mg/L                                      | 177  | 176                           | 176.5  | 1          | 0.6          |                  |
| Total Recoverable Aluminum          | ug/L                                      | 42   | 41.4                          | 41.7   | 0.6        | 1.4          |                  |
| Total Recoverable Arsenic           | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Total Recoverable Cadmium           | ug/L                                      | 0.10   | 0.10                          | 0.1    | 0          | 0.0          |                  |
| Total Recoverable Copper            | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Total Recoverable Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16   | 0          | 0.0          |                  |
| Total Recoverable Manganese         | ug/L                                      | 11.3   | 10.8                          | 11.05  | 0.5        | 4.5          |                  |
| Total Recoverable Nickel            | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Total Recoverable Selenium          | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Total Recoverable Silver            | ug/L                                      | 0.10   | 0.10                          | 0.1    | 0          | 0.0          |                  |
| Total Recoverable Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Total Chromium                      | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Dissolved Aluminum                  | ug/L                                      | 32   | 32.9                          | 32.45  | 0.9        | 2.8          |                  |
| Dissolved Arsenic                   | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Dissolved Cadmium                   | ug/L                                      | 0.10   | 0.10                          | 0.1    | 0          | 0.0          |                  |
| Dissolved Chromium                  | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Dissolved Copper                    | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Dissolved Iron                      | mg/L                                      | 0.108  | 0.081                         | 0.0945 | 0.027      | 28.6         | Yes              |
| Dissolved Lead                      | ug/L                                      | 0.16   | 0.16                          | 0.16   | 0          | 0.0          |                  |
| Dissolved Manganese                 | ug/L                                      | 4.2  | 4.1                           | 4.15   | 0.1        | 2.4          |                  |
| Dissolved Nickel                    | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Dissolved Selenium                  | ug/L                                      | 1.0  | 1.0                           | 1      | 0          | 0.0          |                  |
| Dissolved Silver                    | ug/L                                      | 0.10   | 0.10                          | 0.1    | 0          | 0.0          |                  |
| Dissolved Zinc                      | ug/L                                      | 2.5  | 2.5                           | 2.5    | 0          | 0.0          |                  |
| Mercury Dissolved                   | ug/L                                      | 0.0012   | 0.0012                        | 0.0012 | 0          | 0.0          |                  |

|                            | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Mar-27-2017 | SH113<br>CAK-SH113<br>Mar-27-2017 | Mean           | Difference | % Difference | >20%?           |
|----------------------------|---|--|-----------------------------------|----------------|------------|--------------|-----------------|
| Turbidity Lab              | NTU                                       | 2.55   | 2.5                               | 2.525          | 0.05       | 2.0          | <u> ~20 % :</u> |
| Color                      | Color Unit                                | 2.33   | 15                                | 17.5           | 5          | 28.6         | Yes             |
|                            |   | 4.0  | 4.0                               | 4              | 0          | 0.0          | ies             |
| Total Suspended Solids     | mg/L                                      | 0.9  |                                   | 0.895          | 0.01       |              |                 |
| Ammonia as N               | mg/L                                      |  | 0.89                              | 0.895<br>4.625 |            | 1.1          |                 |
| Nitrate as N               | mg/L                                      | 4.65   |                                   |                | 0.05       |              |                 |
| Hardness, Total            | mg/L                                      |  | 108                               | 116            | -          | 13.8         |                 |
| Chloride                   | mg/L                                      | 22   | 21                                | 21.5           | 1          | 4.7          |                 |
| Sulfate                    | mg/L                                      | 99.9   | 94.1                              | 97             | 5.8        | 6.0          |                 |
| Total Dissolved Solids     | mg/L                                      | 282  | 249                               | 265.5          | 33         | 12.4         |                 |
| Total Recoverable Aluminum | ug/L                                      | 37.5   | 15.6                              | 26.55          | 21.9       | 82.5         | Yes             |
| Total Recoverable Arsenic  | ug/L                                      | 2.5  | 2.5                               | 2.5            | 0          | 0.0          |                 |
| Total Recoverable Cadmium  | ug/L                                      | 0.098  | 0.036                             | 0.067          | 0.062      | 92.5         | Yes             |
| Total Recoverable Copper   | ug/L                                      | 1.0  | 1.0                               | 1              | 0          | 0.0          |                 |
| Total Recoverable Lead     | ug/L                                      | 0.18   | 0.16                              | 0.17           | 0.02       | 11.8         |                 |
| otal Recoverable Manganese | ug/L                                      | 44.2   | 42.4                              | 43.3           | 1.8        | 4.2          |                 |
| Total Recoverable Nickel   | ug/L                                      | 1.0  | 1.0                               | 1              | 0          | 0.0          |                 |
| Total Recoverable Selenium | ug/L                                      | 1.8  | 1.7                               | 1.75           | 0.1        | 5.7          |                 |
| Total Recoverable Silver   | ug/L                                      | 0.10   | 0.10                              | 0.1            | 0          | 0.0          |                 |
| Total Recoverable Zinc     | ug/L                                      | 2.5  | 2.5                               | 2.5            | 0          | 0.0          |                 |
| Total Chromium             | ug/L                                      | 3.2  | 2.5                               | 2.85           | 0.7        | 24.6         | Yes             |
| Dissolved Aluminum         | ug/L                                      | 6.2  | 6                                 | 6.1            | 0.2        | 3.3          |                 |
| Dissolved Arsenic          | ug/L                                      | 2.5  | 2.5                               | 2.5            | 0          | 0.0          |                 |
| Dissolved Cadmium          | ug/L                                      | 0.032  | 0.023                             | 0.0275         | 0.009      | 32.7         | Yes             |
| Dissolved Chromium         | ug/L                                      | 2.5  | 2.5                               | 2.5            | 0          | 0.0          |                 |
| Dissolved Copper           | ug/L                                      | 1.0  | 1.0                               | 1              | 0          | 0.0          |                 |
| Dissolved Iron             | mg/L                                      | 0.416  | 0.425                             | 0.4205         | 0.009      | 2.1          |                 |
| Dissolved Lead             | ug/L                                      | 0.16   | 0.16                              | 0.16           | 0          | 0.0          |                 |
| Dissolved Manganese        | ug/L                                      | 36.8   | 35.3                              | 36.05          | 1.5        | 4.2          |                 |
| Dissolved Nickel           | ug/L                                      | 1.0  | 1.0                               | 1              | 0          | 0.0          |                 |
| Dissolved Selenium         | ug/L                                      | 1.6  | 1.5                               | 1.55           | 0.1        | 6.5          |                 |
| Dissolved Silver           | ug/L                                      | 0.10   | 0.10                              | 0.1            | 0          | 0.0          |                 |
| Dissolved Zinc             | ug/L                                      | 2.6  | 2.9                               | 2.75           | 0.3        | 10.9         |                 |
| Mercury Dissolved          | ug/L                                      | 0.001  | 0.001                             | 0.001          | 0.5        | 0.0          |                 |

|                             | Stn.Code          | Blind Duplicate RW Station | SH103                                 |        |                   |              |                  |
|-----------------------------|-------------------|----------------------------|---------------------------------------|--------|-------------------|--------------|------------------|
|                             | Collection Date   | CAK-069                    | CAK-SH103                             | 3.6    | D. 00             | 0/ D:00      | 200/ 0           |
| T 1112 T 1                  | Sample No.        | Apr-13-2017                | Apr-13-2017                           | Mean   | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
| Turbidity Lab               | NTU<br>Color Unit | 0.17                       | 0.25                                  | 0.21   | 0.08              | 38.1         | Yes              |
| Color                       |                   | 5 4.0                      | 5<br>4.0                              | 5 4    | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L              |                            | · · · · · · · · · · · · · · · · · · · |        | 0                 |              |                  |
| Ammonia as N                | mg/L              | 0.10                       | 0.10                                  | 0.1    |                   | 0.0          |                  |
| Nitrate as N                | mg/L              | 5.47                       | 5.24                                  | 5.355  | 0.23              | 4.3          |                  |
| Hardness, Total             | mg/L              | 130                        | 121                                   | 125.5  | 9                 | 7.2          |                  |
| Chloride                    | mg/L              | 2.4                        | 2.4                                   | 2.4    | 0                 | 0.0          |                  |
| Sulfate                     | mg/L              | 66.1                       | 63                                    | 64.55  | 3.1               | 4.8          |                  |
| Total Dissolved Solids      | mg/L              | 169                        | 176                                   | 172.5  | 7                 | 4.1          | 3.7              |
| Total Recoverable Aluminum  | ug/L              | 5.9                        | 4.3                                   | 5.1    | 1.6               | 31.4         | Yes              |
| Total Recoverable Arsenic   | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Total Recoverable Cadmium   | ug/L              | 0.065                      | 0.020                                 | 0.0425 | 0.045             | 105.9        | Yes              |
| Total Recoverable Copper    | ug/L              | 1                          | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L              | 0.16                       | 0.16                                  | 0.16   | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L              | 1.0                        | 4                                     | 2.5    | 3                 | 120.0        | Yes              |
| Total Recoverable Nickel    | ug/L              | 1.0                        | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L              | 1.0                        | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Total Recoverable Silver    | ug/L              | 0.10                       | 0.10                                  | 0.1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Total Chromium              | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L              | 3.8                        | 5.1                                   | 4.45   | 1.3               | 29.2         | Yes              |
| Dissolved Arsenic           | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Dissolved Cadmium           | ug/L              | 0.053                      | 0.020                                 | 0.0365 | 0.033             | 90.4         | Yes              |
| Dissolved Chromium          | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L              | 1                          | 1.1                                   | 1.05   | 0.1               | 9.5          |                  |
| Dissolved Iron              | mg/L              | 0.05                       | 0.05                                  | 0.05   | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L              | 0.16                       | 0.16                                  | 0.16   | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L              | 1.0                        | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Dissolved Nickel            | ug/L              | 1.0                        | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L              | 1.0                        | 1.0                                   | 1      | 0                 | 0.0          |                  |
| Dissolved Silver            | ug/L              | 0.10                       | 0.10                                  | 0.1    | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L              | 2.5                        | 2.5                                   | 2.5    | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L              | 0.0013                     | 0.0015                                | 0.0014 | 0.0002            | 14.3         |                  |

|                             | Stn.Code                      | Blind Duplicate RW Station | SLC                    |        |            |              |       |
|-----------------------------|-------------------------------|----------------------------|------------------------|--------|------------|--------------|-------|
|                             | Collection Date<br>Sample No. | CAK-069<br>Apr-19-2017     | CAK-SLC<br>Apr-19-2017 | Mean   | Difference | % Difference | >20%? |
| Turbidity Lab               | NTU                           | 0.3                        | 0.24                   | 0.27   | 0.06       | 22.2         | Yes   |
| Color                       | Color Unit                    | 25                         | 25                     | 25     | 0.00       | 0.0          | 103   |
| Total Suspended Solids      | mg/L                          | 4.0                        | 4.0                    | 4      | 0          | 0.0          |       |
| Ammonia as N                | mg/L                          | 0.29                       | 0.29                   | 0.29   | 0          | 0.0          |       |
| Nitrate as N                | mg/L                          | 0.85                       | 0.85                   | 0.85   | 0          | 0.0          |       |
| Hardness, Total             | mg/L                          | 71                         | 75.5                   | 73.25  | 4.5        | 6.1          |       |
| Chloride                    | mg/L                          | 4.7                        | 4.7                    | 4.7    | 0          | 0.0          |       |
| Sulfate                     | mg/L                          | 42.1                       | 42.1                   | 42.1   | 0          | 0.0          |       |
| Total Dissolved Solids      | mg/L                          | 106                        | 123                    | 114.5  | 17         | 14.8         |       |
| Total Recoverable Aluminum  | ug/L                          | 30.6                       | 32.9                   | 31.75  | 2.3        | 7.2          |       |
| Total Recoverable Arsenic   | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Total Recoverable Cadmium   | ug/L                          | 0.10                       | 0.24                   | 0.17   | 0.14       | 82.4         | Yes   |
| Total Recoverable Copper    | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Lead      | ug/L                          | 0.16                       | 0.16                   | 0.16   | 0          | 0.0          |       |
| Total Recoverable Manganese | ug/L                          | 3.5                        | 3.8                    | 3.65   | 0.3        | 8.2          |       |
| Total Recoverable Nickel    | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Selenium  | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Silver    | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Total Recoverable Zinc      | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Total Chromium              | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Aluminum          | ug/L                          | 28.8                       | 30.3                   | 29.55  | 1.5        | 5.1          |       |
| Dissolved Arsenic           | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Cadmium           | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Dissolved Chromium          | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Copper            | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Iron              | mg/L                          | 0.05                       | 0.05                   | 0.05   | 0          | 0.0          |       |
| Dissolved Lead              | ug/L                          | 0.16                       | 0.16                   | 0.16   | 0          | 0.0          |       |
| Dissolved Manganese         | ug/L                          | 2.8                        | 2.9                    | 2.85   | 0.1        | 3.5          |       |
| Dissolved Nickel            | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Selenium          | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Silver            | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Dissolved Zinc              | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Mercury Dissolved           | ug/L                          | 0.0013                     | 0.0013                 | 0.0013 | 0          | 0.0          |       |

|                             | Stn.Code                      | Blind Duplicate RW Station | JS2                    |        |            |              |       |
|-----------------------------|-------------------------------|----------------------------|------------------------|--------|------------|--------------|-------|
|                             | Collection Date<br>Sample No. | CAK-069<br>Apr-25-2017     | CAK-JS2<br>Apr-25-2017 | Mean   | Difference | % Difference | >20%? |
| Turbidity Lab               | NTU                           | 0.31                       | 0.39                   | 0.35   | 0.08       | 22.9         | Yes   |
| Color                       | Color Unit                    | 5.0                        | 5.0                    | 5      | 0          | 0.0          |       |
| Total Suspended Solids      | mg/L                          | 4.0                        | 4.0                    | 4      | 0          | 0.0          |       |
| Ammonia as N                | mg/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Nitrate as N                | mg/L                          | 0.458                      | 0.467                  | 0.4625 | 0.009      | 1.9          |       |
| Hardness, Total             | mg/L                          | 15.1                       | 15.7                   | 15.4   | 0.6        | 3.9          |       |
| Chloride                    | mg/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Sulfate                     | mg/L                          | 1.13                       | 1.13                   | 1.13   | 0          | 0.0          |       |
| Total Dissolved Solids      | mg/L                          | 27                         | 27                     | 27     | 0          | 0.0          |       |
| Total Recoverable Aluminum  | ug/L                          | 25.5                       | 22.2                   | 23.85  | 3.3        | 13.8         |       |
| Total Recoverable Arsenic   | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Total Recoverable Cadmium   | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Total Recoverable Copper    | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Lead      | ug/L                          | 0.16                       | 0.16                   | 0.16   | 0          | 0.0          |       |
| Total Recoverable Manganese | ug/L                          | 1.8                        | 1.8                    | 1.8    | 0          | 0.0          |       |
| Total Recoverable Nickel    | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Selenium  | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Total Recoverable Silver    | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Total Recoverable Zinc      | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Total Chromium              | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Aluminum          | ug/L                          | 7.1                        | 7.2                    | 7.15   | 0.1        | 1.4          |       |
| Dissolved Arsenic           | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Cadmium           | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Dissolved Chromium          | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Dissolved Copper            | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Iron              | mg/L                          | 0.05                       | 0.05                   | 0.05   | 0          | 0.0          |       |
| Dissolved Lead              | ug/L                          | 0.16                       | 0.16                   | 0.16   | 0          | 0.0          |       |
| Dissolved Manganese         | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Nickel            | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Selenium          | ug/L                          | 1.0                        | 1.0                    | 1      | 0          | 0.0          |       |
| Dissolved Silver            | ug/L                          | 0.10                       | 0.10                   | 0.1    | 0          | 0.0          |       |
| Dissolved Zinc              | ug/L                          | 2.5                        | 2.5                    | 2.5    | 0          | 0.0          |       |
| Mercury Dissolved           | ug/L                          | 0.001                      | 0.0014                 | 0.0012 | 0.0004     | 33.3         | Yes   |

|                             | Stn.Code                      | Blind Duplicate RW Station | JS4                    |       |            |              |       |
|-----------------------------|-------------------------------|----------------------------|------------------------|-------|------------|--------------|-------|
|                             | Collection Date<br>Sample No. | CAK-069<br>May-25-2017     | CAK-JS4<br>May-25-2017 | Mean  | Difference | % Difference | >20%? |
| Turbidity Lab               | NTU                           | 0.59                       | 0.43                   | 0.51  | 0.16       | 31.4         | Yes   |
| Color                       | Color Unit                    | 5.0                        | 5.0                    | 5     | 0.10       | 0.0          | 105   |
| Total Suspended Solids      | mg/L                          | 4.0                        | 4.0                    | 4     | 0          | 0.0          |       |
| Ammonia as N                | mg/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Nitrate as N                | mg/L                          | 0.332                      | 0.332                  | 0.332 | 0          | 0.0          |       |
| Hardness, Total             | mg/L                          | 33.2                       | 34.1                   | 33.65 | 0.9        | 2.7          |       |
| Chloride                    | mg/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Sulfate                     | mg/L                          | 4.58                       | 4.58                   | 4.58  | 0          | 0.0          |       |
| Total Dissolved Solids      | mg/L                          | 39                         | 40                     | 39.5  | 1          | 2.5          |       |
| Total Recoverable Aluminum  | ug/L                          | 21.7                       | 21.7                   | 21.7  | 0          | 0.0          |       |
| Total Recoverable Arsenic   | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Total Recoverable Cadmium   | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Total Recoverable Copper    | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Total Recoverable Lead      | ug/L                          | 0.16                       | 0.16                   | 0.16  | 0          | 0.0          |       |
| Total Recoverable Manganese | ug/L                          | 2.8                        | 2.8                    | 2.8   | 0          | 0.0          |       |
| Total Recoverable Nickel    | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Total Recoverable Selenium  | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Total Recoverable Silver    | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Total Recoverable Zinc      | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Total Chromium              | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Aluminum          | ug/L                          | 9.5                        | 9.1                    | 9.3   | 0.4        | 4.3          |       |
| Dissolved Arsenic           | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Cadmium           | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Dissolved Chromium          | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Dissolved Copper            | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Iron              | mg/L                          | 0.05                       | 0.05                   | 0.05  | 0          | 0.0          |       |
| Dissolved Lead              | ug/L                          | 0.16                       | 0.16                   | 0.16  | 0          | 0.0          |       |
| Dissolved Manganese         | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Nickel            | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Selenium          | ug/L                          | 1.0                        | 1.0                    | 1     | 0          | 0.0          |       |
| Dissolved Silver            | ug/L                          | 0.10                       | 0.10                   | 0.1   | 0          | 0.0          |       |
| Dissolved Zinc              | ug/L                          | 2.5                        | 2.5                    | 2.5   | 0          | 0.0          |       |
| Mercury Dissolved           | ug/L                          | 0.001                      | 0.001                  | 0.001 | 0          | 0.0          |       |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | SH111<br>CAK-SH111 |        |                   |              |                  |
|-----------------------------|-----------------------------|---------------------------------------|--------------------|--------|-------------------|--------------|------------------|
|                             | Sample No.                  | May-17-2017                           | May-17-2017        | Mean   | <b>Difference</b> | % Difference | <b>&gt;20%</b> ? |
| Turbidity Lab               | NTU                         | 0.23                                  | 0.57               | 0.4    | 0.34              | 85.0         | Yes              |
| Color                       | Color Unit                  | 5.0                                   | 5.0                | 5      | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0                | 4      | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                        | 0.050                                 | 0.050              | 0.05   | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                        | 0.319                                 | 0.324              | 0.3215 | 0.005             | 1.6          |                  |
| Hardness, Total             | mg/L                        | 21.1                                  | 20.7               | 20.9   | 0.4               | 1.9          |                  |
| Chloride                    | mg/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Sulfate                     | mg/L                        | 1.98                                  | 1.97               | 1.975  | 0.01              | 0.5          |                  |
| Total Dissolved Solids      | mg/L                        | 43                                    | 35                 | 39     | 8                 | 20.5         | Yes              |
| Total Recoverable Aluminum  | ug/L                        | 5.6                                   | 4.5                | 5.05   | 1.1               | 21.8         | Yes              |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Total Recoverable Cadmium   | ug/L                        | 0.020                                 | 0.020              | 0.02   | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16               | 0.16   | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10               | 0.1    | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                        | 3.6                                   | 3.6                | 3.6    | 0                 | 0.0          |                  |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Dissolved Cadmium           | ug/L                        | 0.020                                 | 0.020              | 0.02   | 0                 | 0.0          |                  |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05               | 0.05   | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16               | 0.16   | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0                | 1      | 0                 | 0.0          |                  |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10               | 0.1    | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5                | 2.5    | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001              | 0.001  | 0                 | 0.0          |                  |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | MLA<br>CAK-MLA |             |                   |              |                 |
|-----------------------------|-----------------------------|---------------------------------------|----------------|-------------|-------------------|--------------|-----------------|
|                             | Sample No.                  | May-16-2017                           | May-16-2017    | <u>Mean</u> | <b>Difference</b> | % Difference | <u>&gt;20%?</u> |
| Turbidity Lab               | NTU                         | 0.66                                  | 0.63           | 0.645       | 0.03              | 4.7          |                 |
| Color                       | Color Unit                  | 25                                    | 25             | 25          | 0                 | 0.0          |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0            | 4           | 0                 | 0.0          |                 |
| Ammonia as N                | mg/L                        | 0.050                                 | 0.050          | 0.05        | 0                 | 0.0          |                 |
| Nitrate as N                | mg/L                        | 0.10                                  | 0.050          | 0.075       | 0.05              | 66.7         | Yes             |
| Hardness, Total             | mg/L                        | 59.8                                  | 57.3           | 58.55       | 2.5               | 4.3          |                 |
| Chloride                    | mg/L                        | 1.1                                   | 1.1            | 1.1         | 0                 | 0.0          |                 |
| Sulfate                     | mg/L                        | 2.33                                  | 2.28           | 2.305       | 0.05              | 2.2          |                 |
| Total Dissolved Solids      | mg/L                        | 74                                    | 76             | 75          | 2                 | 2.7          |                 |
| Total Recoverable Aluminum  | ug/L                        | 34.3                                  | 34.5           | 34.4        | 0.2               | 0.6          |                 |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0          |                 |
| Total Recoverable Manganese | ug/L                        | 19.1                                  | 19.4           | 19.25       | 0.3               | 1.6          |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Aluminum          | ug/L                        | 28.5                                  | 29.7           | 29.1        | 1.2               | 4.1          |                 |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Cadmium           | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Iron              | mg/L                        | 0.066                                 | 0.066          | 0.066       | 0                 | 0.0          |                 |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0          |                 |
| Dissolved Manganese         | ug/L                        | 16.1                                  | 16.7           | 16.4        | 0.6               | 3.7          |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Selenium          | ug/L                        | 1                                     | 1.0            | 1           | 0                 | 0.0          |                 |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0          |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0          |                 |
| Mercury Dissolved           | ug/L                        | 0.0011                                | 0.0012         | 0.00115     | 1E-04             | 8.7          |                 |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | SH105<br>CAK-SH105 |             |                   |              |                  |
|-----------------------------|-----------------------------|---------------------------------------|--------------------|-------------|-------------------|--------------|------------------|
|                             | Sample No.                  | Jun-06-2017                           | Jun-06-2017        | <u>Mean</u> | <b>Difference</b> | % Difference | <b>&gt;20%</b> ? |
| Turbidity Lab               | NTU                         | 0.34                                  | 0.33               | 0.335       | 0.01              | 3.0          |                  |
| Color                       | Color Unit                  | 5.0                                   | 5.0                | 5           | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0                | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                        | 0.538                                 | 0.54               | 0.539       | 0.002             | 0.4          |                  |
| Hardness, Total             | mg/L                        | 39.3                                  | 40.3               | 39.8        | 1                 | 2.5          |                  |
| Chloride                    | mg/L                        | 2.1                                   | 2.1                | 2.1         | 0                 | 0.0          |                  |
| Sulfate                     | mg/L                        | 11.6                                  | 10.3               | 10.95       | 1.3               | 11.9         |                  |
| Total Dissolved Solids      | mg/L                        | 62                                    | 57                 | 59.5        | 5                 | 8.4          |                  |
| Total Recoverable Aluminum  | ug/L                        | 13.4                                  | 14.6               | 14          | 1.2               | 8.6          |                  |
| Total Recoverable Arsenic   | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Total Recoverable Cadmium   | ug/L                        | 0.020                                 | 0.020              | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                        | 2.11                                  | 2.35               | 2.23        | 0.24              | 10.8         |                  |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Total Recoverable Silver    | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Total Chromium              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                        | 9.1                                   | 8.3                | 8.7         | 0.8               | 9.2          |                  |
| Dissolved Arsenic           | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Dissolved Cadmium           | ug/L                        | 0.020                                 | 0.020              | 0.02        | 0                 | 0.0          |                  |
| Dissolved Chromium          | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05               | 0.05        | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16               | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                        | 1.67                                  | 1.89               | 1.78        | 0.22              | 12.4         |                  |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0                | 1           | 0                 | 0.0          |                  |
| Dissolved Silver            | ug/L                        | 0.10                                  | 0.10               | 0.1         | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5                | 2.5         | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001              | 0.001       | 0                 | 0.0          |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Jun-15-2017 | SMP 5<br>CAK-SMP-5<br>Jun-15-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | ≥ <b>20%</b> ? |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|----------------|
| Turbidity Lab               | NTU                                       | 0.45   | 0.37                              | 0.41        | 0.08              | 19.5         |                |
| Color                       | Color Unit                                | 10   | 15                                | 12.5        | 5                 | 40.0         | Yes            |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |                |
| Ammonia as N                | mg/L                                      | 1.03   | 1.03                              | 1.03        | 0                 | 0.0          |                |
| Nitrate as N                | mg/L                                      | 3.55   | 2.84                              | 3.195       | 0.71              | 22.2         | Yes            |
| Hardness, Total             | mg/L                                      | 210  | 194                               | 202         | 16                | 7.9          |                |
| Chloride                    | mg/L                                      | 11.6   | 9.5                               | 10.55       | 2.1               | 19.9         |                |
| Sulfate                     | mg/L                                      | 173  | 141                               | 157         | 32                | 20.4         | Yes            |
| Total Dissolved Solids      | mg/L                                      | 342  | 293                               | 317.5       | 49                | 15.4         |                |
| Total Recoverable Aluminum  | ug/L                                      | 14.4   | 19.7                              | 17.05       | 5.3               | 31.1         | Yes            |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                |
| Total Recoverable Manganese | ug/L                                      | 6.5  | 8.2                               | 7.35        | 1.7               | 23.1         | Yes            |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                |
| Dissolved Aluminum          | ug/L                                      | 13.1   | 14.8                              | 13.95       | 1.7               | 12.2         |                |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |                |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                |
| Dissolved Manganese         | ug/L                                      | 4.6  | 4.6                               | 4.6         | 0                 | 0.0          |                |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                |
| Mercury Dissolved           | ug/L                                      | 0.001  | 0.001                             | 0.001       | 0                 | 0.0          |                |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Jun-22-2017 | JS5<br>CAK-JS5<br>Jun-22-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20%? |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|-------|
| Turbidity Lab               | NTU                                       | 0.27   | 0.3                           | 0.285       | 0.03              | 10.5         |       |
| Color                       | Color Unit                                | 5  | 5                             | 5           | 0                 | 0.0          |       |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |       |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |       |
| Nitrate as N                | mg/L                                      | 0.192  | 0.192                         | 0.192       | 0                 | 0.0          |       |
| Hardness, Total             | mg/L                                      | 20.8   | 20.8                          | 20.8        | 0                 | 0.0          |       |
| Chloride                    | mg/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Sulfate                     | mg/L                                      | 3.71   | 3.71                          | 3.71        | 0                 | 0.0          |       |
| Total Dissolved Solids      | mg/L                                      | 24   | 25                            | 24.5        | 1                 | 4.1          |       |
| Total Recoverable Aluminum  | ug/L                                      | 7.3  | 7.7                           | 7.5         | 0.4               | 5.3          |       |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Total Recoverable Manganese | ug/L                                      | 1.3  | 1.3                           | 1.3         | 0                 | 0.0          |       |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |       |
| Dissolved Aluminum          | ug/L                                      | 5.4  | 5.5                           | 5.45        | 0.1               | 1.8          |       |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0          |       |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Dissolved Manganese         | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |       |
| Mercury Dissolved           | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0          |       |

|                             | Stn.Code<br>Collection Date | Blind Duplicate RW Station<br>CAK-069 | JS2<br>CAK-JS2 |             |                   |                     |                 |
|-----------------------------|-----------------------------|---------------------------------------|----------------|-------------|-------------------|---------------------|-----------------|
|                             | Sample No.                  | Jul-06-2017                           | Jul-06-2017    | <u>Mean</u> | <u>Difference</u> | <u>% Difference</u> | <u>&gt;20%?</u> |
| Turbidity Lab               | NTU                         | 0.15                                  | 0.17           | 0.16        | 0.02              | 12.5                |                 |
| Color                       | Color Unit                  | 5.0                                   | 5.0            | 5           | 0                 | 0.0                 |                 |
| Total Suspended Solids      | mg/L                        | 4.0                                   | 4.0            | 4           | 0                 | 0.0                 |                 |
| Ammonia as N                | mg/L                        | 0.10                                  | 0.10           | 0.1         | 0                 | 0.0                 |                 |
| Nitrate as N                | mg/L                        | 0.088                                 | 0.085          | 0.0865      | 0.003             | 3.5                 |                 |
| Hardness, Total             | mg/L                        | 13.7                                  | 13.7           | 13.7        | 0                 | 0.0                 |                 |
| Chloride                    | mg/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Sulfate                     | mg/L                        | 1.17                                  | 1.17           | 1.17        | 0                 | 0.0                 |                 |
| Total Dissolved Solids      | mg/L                        | 17                                    | 20             | 18.5        | 3                 | 16.2                |                 |
| Total Recoverable Aluminum  | ug/L                        | 6.1                                   | 5.9            | 6           | 0.2               | 3.3                 |                 |
| Total Recoverable Cadmium   | ug/L                        | 0.020                                 | 0.020          | 0.02        | 0                 | 0.0                 |                 |
| Total Recoverable Copper    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Total Recoverable Lead      | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0                 |                 |
| Total Recoverable Manganese | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Total Recoverable Nickel    | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Total Recoverable Selenium  | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Total Recoverable Zinc      | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0                 |                 |
| Dissolved Aluminum          | ug/L                        | 3.8                                   | 2.9            | 3.35        | 0.9               | 26.9                | Yes             |
| Dissolved Cadmium           | ug/L                        | 0.020                                 | 0.020          | 0.02        | 0                 | 0.0                 |                 |
| Dissolved Copper            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Dissolved Iron              | mg/L                        | 0.05                                  | 0.05           | 0.05        | 0                 | 0.0                 |                 |
| Dissolved Lead              | ug/L                        | 0.16                                  | 0.16           | 0.16        | 0                 | 0.0                 |                 |
| Dissolved Manganese         | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Dissolved Nickel            | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Dissolved Selenium          | ug/L                        | 1.0                                   | 1.0            | 1           | 0                 | 0.0                 |                 |
| Dissolved Zinc              | ug/L                        | 2.5                                   | 2.5            | 2.5         | 0                 | 0.0                 |                 |
| Mercury Dissolved           | ug/L                        | 0.001                                 | 0.001          | 0.001       | 0                 | 0.0                 |                 |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Jul-11-2017 | SH109<br>CAK-SH109<br>Jul-11-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.31   | 0.33                              | 0.32        | 0.02              | 6.3          |                  |
| Color                       | Color Unit                                | 5.0  | 5.0                               | 5           | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                              | 0.1         | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                                      | 0.050  | 0.050                             | 0.05        | 0                 | 0.0          |                  |
| Hardness, Total             | mg/L                                      | 43.1   | 41.3                              | 42.2        | 1.8               | 4.3          |                  |
| Chloride                    | mg/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Sulfate                     | mg/L                                      | 5.88   | 5.98                              | 5.93        | 0.1               | 1.7          |                  |
| Total Dissolved Solids      | mg/L                                      | 54   | 56                                | 55          | 2                 | 3.6          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 10.7   | 9.9                               | 10.3        | 0.8               | 7.8          |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                                      | 1  | 1.1                               | 1.05        | 0.1               | 9.5          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 4.6  | 1.7                               | 3.15        | 2.9               | 92.1         | Yes              |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 8.1  | 8.4                               | 8.25        | 0.3               | 3.6          |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                  |
| Mercury Dissolved           | ug/L                                      | 0.001  | 0.001                             | 0.001       | 0                 | 0.0          |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Jul-25-2017 | SLB<br>CAK-SLB<br>Jul-25-2017 | <u>Mean</u> | Difference | % Difference | >20% <u>?</u> |
|-----------------------------|---|--|-------------------------------|-------------|------------|--------------|---------------|
| Turbidity Lab               | NTU                                       | 0.72   | 0.71                          | 0.715       | 0.01       | 1.4          |               |
| Color                       | Color Unit                                | 15   | 15                            | 15          | 0          | 0.0          |               |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0          | 0.0          |               |
| Ammonia as N                | mg/L                                      | 0.85   | 0.84                          | 0.845       | 0.01       | 1.2          |               |
| Nitrate as N                | mg/L                                      | 4.59   | 4.62                          | 4.605       | 0.03       | 0.7          |               |
| Hardness, Total             | mg/L                                      | 230  | 227                           | 228.5       | 3          | 1.3          |               |
| Chloride                    | mg/L                                      | 12.8   | 12.9                          | 12.85       | 0.1        | 0.8          |               |
| Sulfate                     | mg/L                                      | 176  | 178                           | 177         | 2          | 1.1          |               |
| Total Dissolved Solids      | mg/L                                      | 376  | 373                           | 374.5       | 3          | 0.8          |               |
| Total Recoverable Aluminum  | ug/L                                      | 35.1   | 35.1                          | 35.1        | 0          | 0.0          |               |
| Total Recoverable Cadmium   | ug/L                                      | 0.046  | 0.043                         | 0.0445      | 0.003      | 6.7          |               |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0          | 0.0          |               |
| Total Recoverable Manganese | ug/L                                      | 25.4   | 26.3                          | 25.85       | 0.9        | 3.5          |               |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0          | 0.0          |               |
| Dissolved Aluminum          | ug/L                                      | 17.9   | 17.7                          | 17.8        | 0.2        | 1.1          |               |
| Dissolved Cadmium           | ug/L                                      | 0.033  | 0.027                         | 0.03        | 0.006      | 20.0         |               |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0          | 0.0          |               |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0          | 0.0          |               |
| Dissolved Manganese         | ug/L                                      | 3.4  | 3.3                           | 3.35        | 0.1        | 3.0          |               |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0          | 0.0          |               |
| Dissolved Zinc              | ug/L                                      | 3  | 2.5                           | 2.75        | 0.5        | 18.2         |               |
| Mercury Dissolved           | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0          | 0.0          |               |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Aug-23-2017 | SLC<br>CAK-SLC<br>Aug-23-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.8  | 0.87                          | 0.835       | 0.07              | 8.4          |                  |
| Color                       | Color Unit                                | 80   | 80                            | 80          | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                                      | 0.24   | 0.21                          | 0.225       | 0.03              | 13.3         |                  |
| Hardness, Total             | mg/L                                      | 50.6   | 49.8                          | 50.2        | 0.8               | 1.6          |                  |
| Chloride                    | mg/L                                      | 2  | 1.9                           | 1.95        | 0.1               | 5.1          |                  |
| Sulfate                     | mg/L                                      | 13.7   | 12.4                          | 13.05       | 1.3               | 10.0         |                  |
| Total Dissolved Solids      | mg/L                                      | 79   | 73                            | 76          | 6                 | 7.9          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 107  | 111                           | 109         | 4                 | 3.7          |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.023  | 0.03                          | 0.0265      | 0.007             | 26.4         | Yes              |
| Total Recoverable Copper    | ug/L                                      | 1.2  | 1.2                           | 1.2         | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 21.4   | 22.1                          | 21.75       | 0.7               | 3.2          |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 85   | 87.6                          | 86.3        | 2.6               | 3.0          |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 1.1  | 1.1                           | 1.1         | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                                      | 0.13   | 0.129                         | 0.1295      | 0.001             | 0.8          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 4.3  | 4.5                           | 4.4         | 0.2               | 4.5          |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Mercury Total               | ug/L                                      | 0.0031   | 0.0035                        | 0.0033      | 0.0004            | 12.1         |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Aug-17-2017 | SH113<br>CAK-SH113<br>Aug-17-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.8  | 0.64                              | 0.72        | 0.16              | 22.2         | Yes              |
| Color                       | Color Unit                                | 20   | 20                                | 20          | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.43   | 0.41                              | 0.42        | 0.02              | 4.8          |                  |
| Nitrate as N                | mg/L                                      | 0.97   | 1.21                              | 1.09        | 0.24              | 22.0         | Yes              |
| Hardness, Total             | mg/L                                      | 67   | 67.3                              | 67.15       | 0.3               | 0.4          |                  |
| Chloride                    | mg/L                                      | 3.1  | 4.2                               | 3.65        | 1.1               | 30.1         | Yes              |
| Sulfate                     | mg/L                                      | 21.1   | 26.1                              | 23.6        | 5                 | 21.2         | Yes              |
| Total Dissolved Solids      | mg/L                                      | 92   | 98                                | 95          | 6                 | 6.3          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 38.8   | 38.5                              | 38.65       | 0.3               | 0.8          |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                                      | 2.2  | 2.2                               | 2.2         | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 6.5  | 6.3                               | 6.4         | 0.2               | 3.1          |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 26.2   | 25.5                              | 25.85       | 0.7               | 2.7          |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 2  | 1.9                               | 1.95        | 0.1               | 5.1          |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 4.3  | 4.2                               | 4.25        | 0.1               | 2.4          |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                  |
| Mercury Total               | ug/L                                      | 0.0019   | 0.0021                            | 0.002       | 0.0002            | 10.0         |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Aug-01-2017 | JS4<br>CAK-JS4<br>Aug-01-2017 | <u>Mean</u> | <u>Difference</u> | <u>% Difference</u> | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|---------------------|------------------|
| Turbidity Lab               | NTU                                       | 0.33   | 0.24                          | 0.285       | 0.09              | 31.6                | Yes              |
| Color                       | Color Unit                                | 5.0  | 5.0                           | 5           | 0                 | 0.0                 |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0                 |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0                 |                  |
| Nitrate as N                | mg/L                                      | 0.262  | 0.256                         | 0.259       | 0.006             | 2.3                 |                  |
| Hardness, Total             | mg/L                                      | 31.8   | 32                            | 31.9        | 0.2               | 0.6                 |                  |
| Chloride                    | mg/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Sulfate                     | mg/L                                      | 5.54   | 5.57                          | 5.555       | 0.03              | 0.5                 |                  |
| Total Dissolved Solids      | mg/L                                      | 43   | 47                            | 45          | 4                 | 8.9                 |                  |
| Total Recoverable Aluminum  | ug/L                                      | 7.3  | 7.2                           | 7.25        | 0.1               | 1.4                 |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0                 |                  |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0                 |                  |
| Total Recoverable Manganese | ug/L                                      | 1.9  | 1.9                           | 1.9         | 0                 | 0.0                 |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0                 |                  |
| Dissolved Aluminum          | ug/L                                      | 5.1  | 4.8                           | 4.95        | 0.3               | 6.1                 |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0                 |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0                 |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0                 |                  |
| Dissolved Manganese         | ug/L                                      | 1.4  | 1.4                           | 1.4         | 0                 | 0.0                 |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0                 |                  |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0                 |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Sep-07-2017 | SH103<br>CAK-SH103<br>Sep-07-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.2  | 0.13                              | 0.165       | 0.07              | 42.4         | Yes              |
| Color                       | Color Unit                                | 5.0  | 5.0                               | 5           | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                              | 0.1         | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                                      | 1.34   | 1.36                              | 1.35        | 0.02              | 1.5          |                  |
| Hardness, Total             | mg/L                                      | 41.5   | 39.4                              | 40.45       | 2.1               | 5.2          |                  |
| Chloride                    | mg/L                                      | 2.0  | 1.0                               | 1.5         | 1                 | 66.7         | Yes              |
| Sulfate                     | mg/L                                      | 18.6   | 19                                | 18.8        | 0.4               | 2.1          |                  |
| Total Dissolved Solids      | mg/L                                      | 78   | 73                                | 75.5        | 5                 | 6.6          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 6.1  | 10.8                              | 8.45        | 4.7               | 55.6         | Yes              |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 4.4  | 5.8                               | 5.1         | 1.4               | 27.5         | Yes              |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.9                               | 2.7         | 0.4               | 14.8         |                  |
| Mercury Total               | ug/L                                      | 0.0010   | 0.0011                            | 0.00105     | 0.0001            | 9.5          |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Sep-21-2017 | MLA<br>CAK-MLA<br>Sep-21-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.66   | 0.5                           | 0.58        | 0.16              | 27.6         | Yes              |
| Color                       | Color Unit                                | 70   | 70                            | 70          | 0                 | 0.0          |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |                  |
| Nitrate as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |                  |
| Hardness, Total             | mg/L                                      | 54.8   | 54.4                          | 54.6        | 0.4               | 0.7          |                  |
| Chloride                    | mg/L                                      | 2.0  | 2.0                           | 2           | 0                 | 0.0          |                  |
| Sulfate                     | mg/L                                      | 2.28   | 5.78                          | 4.03        | 3.5               | 86.8         | Yes              |
| Total Dissolved Solids      | mg/L                                      | 81   | 85                            | 83          | 4                 | 4.8          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 82.9   | 83.1                          | 83          | 0.2               | 0.2          |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 29   | 28.7                          | 28.85       | 0.3               | 1.0          |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 78.9   | 79.5                          | 79.2        | 0.6               | 0.8          |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                                      | 0.178  | 0.173                         | 0.1755      | 0.005             | 2.8          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 25.8   | 26.2                          | 26          | 0.4               | 1.5          |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Mercury Total               | ug/L                                      | 0.0019   | 0.0019                        | 0.0019      | 0                 | 0.0          |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Sep-26-2017 | JS5<br>CAK-JS5<br>Sep-26-2017 | <u>Mean</u> | <u>Difference</u> | <u>% Difference</u> | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|---------------------|------------------|
| Turbidity Lab               | NTU                                       | 1.8  | 1.23                          | 1.515       | 0.57              | 37.6                | Yes              |
| Color                       | Color Unit                                | 10   | 20                            | 15          | 10                | 66.7                | Yes              |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4                             | 4           | 0                 | 0.0                 |                  |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0                 |                  |
| Nitrate as N                | mg/L                                      | 0.484  | 0.487                         | 0.4855      | 0.003             | 0.6                 |                  |
| Hardness, Total             | mg/L                                      | 25.2   | 25.3                          | 25.25       | 0.1               | 0.4                 |                  |
| Chloride                    | mg/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Sulfate                     | mg/L                                      | 6.24   | 6.23                          | 6.235       | 0.01              | 0.2                 |                  |
| Total Dissolved Solids      | mg/L                                      | 27   | 23                            | 25          | 4                 | 16.0                |                  |
| Total Recoverable Aluminum  | ug/L                                      | 54.6   | 61                            | 57.8        | 6.4               | 11.1                |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0                 |                  |
| Total Recoverable Copper    | ug/L                                      | 1.3  | 1.4                           | 1.35        | 0.1               | 7.4                 |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0                 |                  |
| Total Recoverable Manganese | ug/L                                      | 7.5  | 8                             | 7.75        | 0.5               | 6.5                 |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0                 |                  |
| Dissolved Aluminum          | ug/L                                      | 14.7   | 14.9                          | 14.8        | 0.2               | 1.4                 |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0                 |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0                 |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0                 |                  |
| Dissolved Manganese         | ug/L                                      | 2.6  | 2.6                           | 2.6         | 0                 | 0.0                 |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0                 |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0                 |                  |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0                 |                  |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Oct-05-2017 | SH111<br>CAK-SH111<br>Oct-05-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20% ? |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|--------|
| Turbidity Lab               | NTU                                       | 0.25   | 0.15                              | 0.2         | 0.1               | 50.0         | Yes    |
| Color                       | Color Unit                                | 5.0  | 5.0                               | 5           | 0                 | 0.0          |        |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |        |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                              | 0.1         | 0                 | 0.0          |        |
| Nitrate as N                | mg/L                                      | 0.14   | 0.146                             | 0.143       | 0.006             | 4.2          |        |
| Hardness, Total             | mg/L                                      | 24.5   | 24.5                              | 24.5        | 0                 | 0.0          |        |
| Chloride                    | mg/L                                      | 2.0  | 1.0                               | 1.5         | 1                 | 66.7         | Yes    |
| Sulfate                     | mg/L                                      | 3.18   | 3.04                              | 3.11        | 0.14              | 4.5          |        |
| Total Dissolved Solids      | mg/L                                      | 30   | 32                                | 31          | 2                 | 6.5          |        |
| Total Recoverable Aluminum  | ug/L                                      | 3.7  | 3.8                               | 3.75        | 0.1               | 2.7          |        |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Total Recoverable Manganese | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |        |
| Dissolved Aluminum          | ug/L                                      | 3.5  | 3.3                               | 3.4         | 0.2               | 5.9          |        |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |        |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Dissolved Manganese         | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |        |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                             | 0.001       | 0                 | 0.0          |        |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Oct-24-2017 | JS2<br>CAK-JS2<br>Oct-24-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20% ? |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|--------|
| Turbidity Lab               | NTU                                       | 0.19   | 0.28                          | 0.235       | 0.09              | 38.3         | Yes    |
| Color                       | Color Unit                                | 5.0  | 5.0                           | 5           | 0                 | 0.0          |        |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |        |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |        |
| Nitrate as N                | mg/L                                      | 0.214  | 0.215                         | 0.2145      | 0.001             | 0.5          |        |
| Hardness, Total             | mg/L                                      | 15.2   | 15.3                          | 15.25       | 0.1               | 0.7          |        |
| Chloride                    | mg/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Sulfate                     | mg/L                                      | 1.47   | 1.48                          | 1.475       | 0.01              | 0.7          |        |
| Total Dissolved Solids      | mg/L                                      | 21   | 27                            | 24          | 6                 | 25.0         | Yes    |
| Total Recoverable Aluminum  | ug/L                                      | 8.4  | 8.7                           | 8.55        | 0.3               | 3.5          |        |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |        |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |        |
| Total Recoverable Manganese | ug/L                                      | 1.6  | 1.7                           | 1.65        | 0.1               | 6.1          |        |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |        |
| Dissolved Aluminum          | ug/L                                      | 2.5  | 2.4                           | 2.45        | 0.1               | 4.1          |        |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |        |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0          |        |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |        |
| Dissolved Manganese         | ug/L                                      | 1.2  | 1.2                           | 1.2         | 0                 | 0.0          |        |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |        |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |        |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0          |        |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Oct-19-2017 | SMP-5<br>CAK-SMP-5<br>Oct-19-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20% ? |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|--------|
| Turbidity Lab               | NTU                                       | 0.62   | 0.61                              | 0.615       | 0.01              | 1.6          |        |
| Color                       | Color Unit                                | 35   | 35                                | 35          | 0                 | 0.0          |        |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |        |
| Ammonia as N                | mg/L                                      | 0.85   | 0.87                              | 0.86        | 0.02              | 2.3          |        |
| Nitrate as N                | mg/L                                      | 2.64   | 2.64                              | 2.64        | 0                 | 0.0          |        |
| Hardness, Total             | mg/L                                      | 179  | 174                               | 176.5       | 5                 | 2.8          |        |
| Chloride                    | mg/L                                      | 11   | 11                                | 11          | 0                 | 0.0          |        |
| Sulfate                     | mg/L                                      | 148  | 143                               | 145.5       | 5                 | 3.4          |        |
| Total Dissolved Solids      | mg/L                                      | 291  | 300                               | 295.5       | 9                 | 3.0          |        |
| Total Recoverable Aluminum  | ug/L                                      | 38.6   | 35.5                              | 37.05       | 3.1               | 8.4          |        |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Total Recoverable Manganese | ug/L                                      | 24.9   | 24.4                              | 24.65       | 0.5               | 2.0          |        |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |        |
| Dissolved Aluminum          | ug/L                                      | 34.5   | 32.2                              | 33.35       | 2.3               | 6.9          |        |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Iron              | mg/L                                      | 0.119  | 0.113                             | 0.116       | 0.006             | 5.2          |        |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Dissolved Manganese         | ug/L                                      | 19.1   | 18.7                              | 18.9        | 0.4               | 2.1          |        |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Zinc              | ug/L                                      | 2.6  | 2.6                               | 2.6         | 0                 | 0.0          |        |
| Mercury Total               | ug/L                                      | 0.0011   | 0.0011                            | 0.0011      | 0                 | 0.0          |        |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Nov-02-2017 | SH105<br>CAK-SH105<br>Nov-02-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | ≥20%? |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|-------|
| Turbidity Lab               | NTU                                       | 0.41   | 0.32                              | 0.365       | 0.09              | 24.7         | Yes   |
| Color                       | Color Unit                                | 5  | 5                                 | 5           | 0                 | 0.0          |       |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |       |
| Ammonia as N                | mg/L                                      | 0.25   | 0.24                              | 0.245       | 0.01              | 4.1          |       |
| Nitrate as N                | mg/L                                      | 1.63   | 1.63                              | 1.63        | 0                 | 0.0          |       |
| Hardness, Total             | mg/L                                      | 62.7   | 63.1                              | 62.9        | 0.4               | 0.6          |       |
| Chloride                    | mg/L                                      | 6.3  | 6.3                               | 6.3         | 0                 | 0.0          |       |
| Sulfate                     | mg/L                                      | 26.6   | 26                                | 26.3        | 0.6               | 2.3          |       |
| Total Dissolved Solids      | mg/L                                      | 98   | 156                               | 127         | 58                | 45.7         | Yes   |
| Total Recoverable Aluminum  | ug/L                                      | 22.2   | 16.4                              | 19.3        | 5.8               | 30.1         | Yes   |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |       |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |       |
| Total Recoverable Manganese | ug/L                                      | 2.3  | 2                                 | 2.15        | 0.3               | 14.0         |       |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |       |
| Dissolved Aluminum          | ug/L                                      | 15.1   | 16.4                              | 15.75       | 1.3               | 8.3          |       |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |       |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |       |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |       |
| Dissolved Manganese         | ug/L                                      | 1.5  | 1.5                               | 1.5         | 0                 | 0.0          |       |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |       |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |       |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                             | 0.001       | 0                 | 0.0          |       |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Nov-16-2017 | JS4<br>CAK-JS4<br>Nov-16-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | ≥20%? |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|-------|
| Turbidity Lab               | NTU                                       | 0.76   | 0.91                          | 0.835       | 0.15              | 18.0         |       |
| Color                       | Color Unit                                | 5.0  | 5.0                           | 5           | 0                 | 0.0          |       |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |       |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                          | 0.1         | 0                 | 0.0          |       |
| Nitrate as N                | mg/L                                      | 0.469  | 0.468                         | 0.4685      | 0.001             | 0.2          |       |
| Hardness, Total             | mg/L                                      | 57.4   | 55.7                          | 56.55       | 1.7               | 3.0          |       |
| Chloride                    | mg/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Sulfate                     | mg/L                                      | 10.4   | 10.2                          | 10.3        | 0.2               | 1.9          |       |
| Total Dissolved Solids      | mg/L                                      | 63   | 59                            | 61          | 4                 | 6.6          |       |
| Total Recoverable Aluminum  | ug/L                                      | 17.1   | 15.4                          | 16.25       | 1.7               | 10.5         |       |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Total Recoverable Manganese | ug/L                                      | 2.9  | 3                             | 2.95        | 0.1               | 3.4          |       |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |       |
| Dissolved Aluminum          | ug/L                                      | 9.6  | 8.9                           | 9.25        | 0.7               | 7.6          |       |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0          |       |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Dissolved Manganese         | ug/L                                      | 2.3  | 2.4                           | 2.35        | 0.1               | 4.3          |       |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.8                           | 2.65        | 0.3               | 11.3         |       |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0          |       |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Nov-28-2017 | SLB<br>CAK-SLB<br>Nov-28-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20%? |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|-------|
| Turbidity Lab               | NTU                                       | 0.37   | 0.32                          | 0.345       | 0.05              | 14.5         |       |
| Color                       | Color Unit                                | 10   | 10                            | 10          | 0                 | 0.0          |       |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |       |
| Ammonia as N                | mg/L                                      | 1.36   | 1.35                          | 1.355       | 0.01              | 0.7          |       |
| Nitrate as N                | mg/L                                      | 5.11   | 5.08                          | 5.095       | 0.03              | 0.6          |       |
| Hardness, Total             | mg/L                                      | 262  | 260                           | 261         | 2                 | 0.8          |       |
| Chloride                    | mg/L                                      | 13.4   | 13.4                          | 13.4        | 0                 | 0.0          |       |
| Sulfate                     | mg/L                                      | 227  | 233                           | 230         | 6                 | 2.6          |       |
| Total Dissolved Solids      | mg/L                                      | 479  | 469                           | 474         | 10                | 2.1          |       |
| Total Recoverable Aluminum  | ug/L                                      | 9.3  | 8.1                           | 8.7         | 1.2               | 13.8         |       |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Total Recoverable Manganese | ug/L                                      | 10.7   | 10.6                          | 10.65       | 0.1               | 0.9          |       |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |       |
| Dissolved Aluminum          | ug/L                                      | 6  | 6.3                           | 6.15        | 0.3               | 4.9          |       |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |       |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0          |       |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |       |
| Dissolved Manganese         | ug/L                                      | 4.6  | 4.8                           | 4.7         | 0.2               | 4.3          |       |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |       |
| Dissolved Zinc              | ug/L                                      | 2.7  | 2.7                           | 2.7         | 0                 | 0.0          |       |
| Mercury Total               | ug/L                                      | 0.001  | 0.001                         | 0.001       | 0                 | 0.0          |       |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Dec-07-2017 | SH109<br>CAK-SH109<br>Dec-07-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | >20% ? |
|-----------------------------|---|--|-----------------------------------|-------------|-------------------|--------------|--------|
| Turbidity Lab               | NTU                                       | 0.38   | 0.41                              | 0.395       | 0.03              | 7.6          |        |
| Color                       | Color Unit                                | 10   | 10                                | 10          | 0                 | 0.0          |        |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                               | 4           | 0                 | 0.0          |        |
| Ammonia as N                | mg/L                                      | 0.10   | 0.10                              | 0.1         | 0                 | 0.0          |        |
| Nitrate as N                | mg/L                                      | 0.484  | 0.479                             | 0.4815      | 0.005             | 1.0          |        |
| Hardness, Total             | mg/L                                      | 36.1   | 35.4                              | 35.75       | 0.7               | 2.0          |        |
| Chloride                    | mg/L                                      | 1.7  | 1.7                               | 1.7         | 0                 | 0.0          |        |
| Sulfate                     | mg/L                                      | 5.52   | 5.53                              | 5.525       | 0.01              | 0.2          |        |
| Total Dissolved Solids      | mg/L                                      | 116  | 54                                | 85          | 62                | 72.9         | Yes    |
| Total Recoverable Aluminum  | ug/L                                      | 18.8   | 18.7                              | 18.75       | 0.1               | 0.5          |        |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Total Recoverable Copper    | ug/L                                      | 1.2  | 1.3                               | 1.25        | 0.1               | 8.0          |        |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Total Recoverable Manganese | ug/L                                      | 1.2  | 1.2                               | 1.2         | 0                 | 0.0          |        |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |        |
| Dissolved Aluminum          | ug/L                                      | 15.1   | 14.5                              | 14.8        | 0.6               | 4.1          |        |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                             | 0.02        | 0                 | 0.0          |        |
| Dissolved Copper            | ug/L                                      | 1.2  | 1.2                               | 1.2         | 0                 | 0.0          |        |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                              | 0.05        | 0                 | 0.0          |        |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                              | 0.16        | 0                 | 0.0          |        |
| Dissolved Manganese         | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                               | 1           | 0                 | 0.0          |        |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                               | 2.5         | 0                 | 0.0          |        |
| Mercury Total               | ug/L                                      | 0.0013   | 0.0014                            | 0.00135     | 0.0001            | 7.4          |        |

|                             | Stn.Code<br>Collection Date<br>Sample No. | Blind Duplicate RW Station<br>CAK-069<br>Dec-19-2017 | SLC<br>CAK-SLC<br>Dec-19-2017 | <u>Mean</u> | <u>Difference</u> | % Difference | <u>&gt;20% ?</u> |
|-----------------------------|---|--|-------------------------------|-------------|-------------------|--------------|------------------|
| Turbidity Lab               | NTU                                       | 0.54   | 0.53                          | 0.535       | 0.01              | 1.9          |                  |
| Color                       | Color Unit                                | 30   | 35                            | 32.5        | 5                 | 15.4         |                  |
| Total Suspended Solids      | mg/L                                      | 4.0  | 4.0                           | 4           | 0                 | 0.0          |                  |
| Ammonia as N                | mg/L                                      | 0.26   | 0.28                          | 0.27        | 0.02              | 7.4          |                  |
| Nitrate as N                | mg/L                                      | 0.9  | 0.84                          | 0.87        | 0.06              | 6.9          |                  |
| Hardness, Total             | mg/L                                      | 89.9   | 89.7                          | 89.8        | 0.2               | 0.2          |                  |
| Chloride                    | mg/L                                      | 4.1  | 3.9                           | 4           | 0.2               | 5.0          |                  |
| Sulfate                     | mg/L                                      | 43.1   | 39.7                          | 41.4        | 3.4               | 8.2          |                  |
| Total Dissolved Solids      | mg/L                                      | 128  | 129                           | 128.5       | 1                 | 0.8          |                  |
| Total Recoverable Aluminum  | ug/L                                      | 44.1   | 45.1                          | 44.6        | 1                 | 2.2          |                  |
| Total Recoverable Cadmium   | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |                  |
| Total Recoverable Copper    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Lead      | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Total Recoverable Manganese | ug/L                                      | 8.4  | 7.5                           | 7.95        | 0.9               | 11.3         |                  |
| Total Recoverable Nickel    | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Selenium  | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Total Recoverable Zinc      | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Dissolved Aluminum          | ug/L                                      | 39.3   | 36.9                          | 38.1        | 2.4               | 6.3          |                  |
| Dissolved Cadmium           | ug/L                                      | 0.020  | 0.020                         | 0.02        | 0                 | 0.0          |                  |
| Dissolved Copper            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Iron              | mg/L                                      | 0.05   | 0.05                          | 0.05        | 0                 | 0.0          |                  |
| Dissolved Lead              | ug/L                                      | 0.16   | 0.16                          | 0.16        | 0                 | 0.0          |                  |
| Dissolved Manganese         | ug/L                                      | 3.9  | 4.5                           | 4.2         | 0.6               | 14.3         |                  |
| Dissolved Nickel            | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Selenium          | ug/L                                      | 1.0  | 1.0                           | 1           | 0                 | 0.0          |                  |
| Dissolved Zinc              | ug/L                                      | 2.5  | 2.5                           | 2.5         | 0                 | 0.0          |                  |
| Mercury Total               | ug/L                                      | 0.0018   | 0.0016                        | 0.0017      | 0.0002            | 11.8         |                  |

## Appendix B

|  |                  | on Checklist                           |
|--|------------------|--|
| Date: 1/4/17   | Time: [[3c       |  |
| Inspector's Name(Print/Sign): VCASE  | y STOCKER        | t / Worlder At                         |
| Highwall   |                  | J.                                     |
| Magazatány Charana 3   | Yes/No           | Comment                                |
| Vegetation Changes ?   |                  |  |
| Soil/Rock Staining?  |                  |  |
| Orange Water Colorization?   |                  |  |
| Water Samples Collected?   | <u> </u>         |  |
| pH measurement taken?  | Yes/No           | pH result                              |
|  | -1               |  |
| Pit 3 Lower Parking Area RP-DS   | sile cover       | ed wtll. Comments                      |
|  | Yes/No           | Comments                               |
| Vegetation Changes ?   |                  |  |
| Soil/Rock Staining?  |                  |  |
| Orange Water Colorization?   |                  |  |
| Water Samples Collected?   |                  |  |
|  | Yes/No           | pH result                              |
| pH measurement taken?  | $\perp \sim 1$   |  |
| Pit 3 Upper Laydown  |                  |  |
|  | Yes/No           | Comments                               |
| Vegetation Changes ?   | INI              |  |
| Soil/Rock Staining?  |                  |  |
| Orange Water Colorization?   |                  |  |
| Water Samples Collected?   |                  |  |
|  | Yes/No           | pH result                              |
| pH measurement taken?  | N                |  |
| Road   |                  |  |
|  | Yes/No           | Comments                               |
| Vegetation Changes ?   | N                | Comments                               |
| Soil/Rock Staining?  | 177              | ······································ |
| Orange Water Colorization?   |                  |  |
| Water Samples Collected?   |                  |  |
| ·  | Yes/No           | pH result                              |
| pH measurement taken?  | N                | prirecont                              |
| South Stormwater Pond  |                  |  |
| Joden Stormwater Folia   | Yes/No           | Comments                               |
| Varatation Change 2  | 163/110          | Comments                               |
| Veperation Changes   | ^ _              |  |
| Vegetation Changes ?<br>Soil/Rock Staining?  | 1                |  |
| Soil/Rock Staining?  | ^ _              |  |
| Soil/Rock Staining?<br>Orange Water Colorization?  | ^ _              |  |
| Soil/Rock Staining?  | 2                | pH recult                              |
| Soil/Rock Staining?<br>Orange Water Colorization?<br>Water Samples Collected?  | Yes/No           | pH result                              |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken?  | 2                | pH result                              |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? oH measurement taken?  | Yes/No           |  |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No<br>Yes/No | pH result  Comments                    |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No           |  |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  Soil/Rock Staining?                           | Yes/No<br>Yes/No |  |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? | Yes/No<br>Yes/No |  |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? OH measurement taken? West Stormwater Ponds Vegetation Changes ? Soil/Rock Staining?                               | Yes/No<br>Yes/No |  |

| j              |   | THE RESERVE THE PROPERTY OF THE PARTY OF THE |   |  |
|----------------|---|--|---|--|
| Produktion     | Pit 3 AR  | D Visual Inspection  | on Checklist                              | And the Control of th |
| Complete ( A.) | Date: [/[8]]7   | Time: 1041   |   | Nell de parce  |
|                | Inspector's Name(Print/Sign): LelS  | CU STACKART  | KINDIN A takent                           |  |
| •              | Highwall County 12 12   |  | when some                                 |  |
|                | Highwall Snow Mcl   | ting.  | //  |  |
|                | Varatation Channes 2  | / Yes/No   |   |  |
|                | Vegetation Changes ?  |  |   |  |
|                | Soil/Rock Staining?   | 1  |   |  |
|                | Orange Water Colorization?  |  |   | ***************************************  |
|                | Water Samples Collected?  |  |   |  |
|                | Company<br>   | Yes/No   | pH result                                 |  |
|                | pH measurement taken?   |  |   |  |
|                | Pit 3 Lower Parking Area  |  |   |  |
|                | Luca rower Larking Wied   |  |   |  |
|                |   | Yes/No   | Comments                                  |  |
|                | Vegetation Changes ?  |  |   |  |
|                | Soil/Rock Staining?   |  |   |  |
|                | Orange Water Colorization?  |  |   |  |
|                | Water Samples Collected?  |  |   |  |
|                | s-three-con-  | Yes/No   | pH result                                 |  |
|                | pH measurement taken?   |  | p. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |  |
|                | Dia 2 Umana Landa   |  |   |  |
|                | Pit 3 Upper Laydown   |  |   | CONTRACTOR   |
|                | \(\frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}{2} | Yes/No   | Comments                                  | STATE OF THE PERSON NAMED IN   |
|                | Vegetation Changes ?  |  |   |  |
|                | Soil/Rock Staining?   | 1 1  |   |  |
|                | Orange Water Colorization?  |  |   | _  |
| ))             | Water Samples Collected?  | V  |   |  |
| 7              |   | Yes/No   | pH result                                 |  |
|                | Inil managramant talend   |  |   |  |
|                | pH measurement taken?   | 1 1/1 1  |   | 薯  |
|                |   |  |   |  |
|                | Road  |  |   |  |
|                | Road  | Yes/No   | Comments                                  |  |
|                | Road  Vegetation Changes ?  | Yes/No   | Comments                                  |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No   | Comments                                  |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | Yes/No   | Comments                                  |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No   | Comments                                  |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No   |   |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |  | Comments  pH result                       |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  | Yes/No   |   |  |
|                | Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No   | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  | Yes/No   |   |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  | Yes/No   | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No   | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No   | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No  | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No   | pH result                                 |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No  | pH result  Comments                       |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No  | pH result  Comments                       |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No   | pH result  Comments  pH result            |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No Yes/No  | pH result  Comments                       |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No Yes/No   | pH result  Comments  pH result            |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  pH result            |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  pH result            |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  pH result  Comments  |  |
|                | Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  pH result            |  |

| Pit 3 A  | RD Visual Inspection   | on Checklist   |
|--|--|--|
| Date: 1/2 12</th <th>Time:</th> <th>5 1500</th>  | Time:  | 5 1500   |
| Inspector's Name(Print/Sign):  | SCU STOCKET  | 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7  |
| Highwall   |  |  |
|  | Yes/No   | Comments   |
| Vegetation Changes ?   | <u> </u>   |  |
| Soil/Rock Staining?  | ì  |  |
| Orange Water Colorization?   |  | 744  |
| Water Samples Collected?   |  |  |
|  | Yes/No   | pH result  |
| pH measurement taken?  |  |  |
| Pit 3 Lower Parking Area   |  |  |
| Ü  | Yes/No   | Comments   |
| Vegetation Changes ?   | I A) T   | COMMITTERES  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
|  | Yes/No   | pH result  |
| pH measurement taken?  |  | p111.030s2   |
| Pit 3 Upper Laydown  |  |  |
| rit 3 Opper Laydown  | Yes/No   | •  |
| Vegetation Changes ?   | Tes/No   | Comments   |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
| evalue de la constanta de la c | Yes/No   | nH rocult  |
| pH measurement taken?  | 1 1 1  | pH result  |
|  |  |  |
| Road   |  |  |
| Vanatation Chauses 2   | Yes/No   | Comments   |
| Vegetation Changes ?   |  |  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization? Water Samples Collected?  |  |  |
| water samples collected?   |  |  |
| pH measurement taken?  | Yes/No   | pH result  |
| printeasurement taken:   | 1 10 1   |  |
| South Stormwater Pond  |  | And the second s |
|  | Yes/No   | Comments   |
| Vegetation Changes ?   | 1/   |  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
|  | Yes/No   | pH result  |
| pH measurement taken?  |  |  |
| West Stormwater Ponds  | The second secon |  |
|  | Yes/No   | Comments   |
| Vegetation Changes ?   | 12   |  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
|  | Yes/No:  | pH result  |
| oH measurement taken?  |  |  |

State of the state

| Date: 2/9/17-  | D Visual Inspection Time: 120ち | er Filefyllyf                          |
|--|--------------------------------|--|
| Inspector's Name(Print/Sign): Key Se   | y Stadout                      | 1 Kelser Staten                        |
| Highwall   |                                | 1 DOUGH AND MINE                       |
|  | Yes/No                         | Comment                                |
| Vegetation Changes ?   |                                | ************************************** |
| Soil/Rock Staining?  |                                |  |
| Orange Water Colorization?   |                                |  |
| Water Samples Collected?   |                                |  |
|  | Yes/No                         | pH result                              |
| pH measurement taken?  | 7 7 1                          | priesuit                               |
|  |                                |  |
| Pit 3 Lower Parking Area   |                                |  |
| Section 2  | Yes/No                         | Comment                                |
| Vegetation Changes ?   | $\mathcal{L}_{\mathcal{N}}$    |  |
| Soil/Rock Staining?  |                                |  |
| Orange Water Colorization?   |                                |  |
| Water Samples Collected?   |                                |  |
|  | Yes/No                         | pH result                              |
| pH measurement taken?  |                                |  |
| Pit 3 Upper Laydown  |                                |  |
| THE SUPPLIE ENGLOWER   | Yes/No                         | <b>6</b>                               |
| Vegetation Changes ?   |                                | Comment                                |
| S -  | <u> </u>                       |  |
| Soil/Rock Staining?  | <u> </u>                       |  |
| Orange Water Colorization?   |                                |  |
| Water Samples Collected?   |                                |  |
|  | Yes/No                         | pH result                              |
| pH measurement taken?  |                                |  |
| Road   |                                |  |
|  | Yes/No                         | Commont                                |
| Vegetation Changes ?   | ( A) T                         | Comment                                |
| Soil/Rock Staining?  |                                |  |
| Orange Water Colorization?   |                                |  |
| Water Samples Collected?   |                                |  |
| vvater samples collected?  |                                |  |
| Na contract of the contract of |                                |  |
|  | Yes/No                         | pH result                              |
| pH measurement taken?  | Yes/No                         | priresuit                              |
| pH measurement taken?  South Stormwater Pond   |                                | phresuit                               |
| South Stormwater Pond  |                                |  |
|  |                                |  |
| South Stormwater Pond  |                                |  |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?   |                                |  |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |                                |  |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No                         | Comment                                |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No                  |  |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No                         | Comments                               |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No                  | Comment:                               |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No           | Comment<br>pH result                   |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No                  | Comment<br>pH result                   |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No           | Comment<br>pH result                   |
| South Stormwater Pond  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No           | Comment<br>pH result                   |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No           | Comment<br>pH result                   |
| South Stormwater Pond  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No           | Comments                               |

| Pit 3 A   | RD Visual Inspectio                              | n Checklist         | ACCOUNTING TO                           |
|---|--|---------------------|---|
| Date: 2/26/17   | Time: 1146                                       |                     | November or state of                    |
| Inspector's Name(Print/Sign):   | ISLU STOCKE                                      | 10 A                |   |
| Highwall  |  |                     |   |
| DOMESTICAL DESCRIPTION OF THE PROPERTY OF THE | Yes/No   | Comments            |   |
| Vegetation Changes ?  | $\sim$   |                     |   |
| Soil/Rock Staining?   | į.   |                     |   |
| Orange Water Colorization?  |  |                     | *************************************** |
| Water Samples Collected?  |  |                     |   |
|   | Yes/No   | pH result           |   |
| pH measurement taken?   | 2  |                     |   |
| Pit 3 Lower Parking Area  |  |                     |   |
|   | Yes/No   | Comments            |   |
| Vegetation Changes ?  |  |                     | ·····                                   |
| Soil/Rock Staining?   | i  |                     | <del></del>                             |
| Orange Water Colorization?  |  |                     |   |
| Water Samples Collected?  |  |                     |   |
|   | Yes/No   | pH result           |   |
| pH measurement taken?   | N  |                     |   |
| Pit 3 Upper Laydown   |  |                     |   |
| itto oppor augusti  | Yes/No   | Commonto            |   |
| Vegetation Changes ?  | N )  | Comments            |   |
| Soil/Rock Staining?   |  |                     |   |
| Orange Water Colorization?  |  |                     |   |
| Water Samples Collected?  | <del>                                     </del> |                     |   |
|   | Yes/No   | pH result           | <del></del>                             |
| pH measurement taken?   | Γ Λ) T   | priresuit           |   |
|   |  |                     |   |
| Road  |  |                     |   |
|   | Yes/No   | Comments            |   |
| tion-station Champan 3  | I A Y I  |                     |   |
| Vegetation Changes ?  | 2  |                     |   |
| Soll/Rock Staining?   | 2  |                     |   |
| Soil/Rock Staining?<br>Orange Water Colorization?   | 2  |                     |   |
| Soll/Rock Staining?   | 2  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?   | Yes/No   | pH result           |   |
| Soil/Rock Staining?<br>Orange Water Colorization?   | Yes/No   | pH result           |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?   |  | pH result           |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken?   |  | pH result  Comments |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken?   |  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond   |  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?   |  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  |  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No   | Comments            |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  |  |                     |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  | Yes/No   | Comments            |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  Water Samples Collected?  | Yes/No Yes/No                                    | Comments  pH result |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds   | Yes/No   | Comments            |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?   | Yes/No Yes/No                                    | Comments  pH result |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?   | Yes/No Yes/No                                    | Comments  pH result |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No Yes/No                                    | Comments  pH result |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?   | Yes/No Yes/No Yes/No                             | pH result  Comments |   |
| Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No Yes/No                                    | Comments  pH result |   |

| Pit 3 ARD V   | isual Inspe                                      | ection Checklist   |
|---|--|--|
| Date: 5/8/12  | Time: [  |  |
| Inspector's Name(Print/Sign):   | 1 SANO   | COIZE holder that the  |
| Highwall  |  | Strain Annual Annual   |
|   | Yes/No   | Comments   |
| Vegetation Changes ?  |  | T COMMENTS   |
| Soil/Rock Staining?   |  |  |
| Orange Water Colorization?  |  |  |
| Water Samples Collected?  |  |  |
|   | Yes/No   | pH result  |
| pH measurement taken?   | N  | Piricon  |
| Pit 3 Lower Parking Area  |  | A CONTRACTOR OF THE CONTRACTOR |
| into source to Mills Alex   | Yes/No   | Corre  |
| Vegetation Changes ?  | 163/10   | Comments   |
| Soil/Rock Staining?   |  |  |
| Orange Water Colorization?  | <del>                                     </del> |  |
| Water Samples Collected?  | <del></del>                                      |  |
|   | Vos/No   |  |
| pH measurement taken?   | Yes/No   | pH result  |
|   | 1 12   |  |
| Pit 3 Upper Laydown   |  |  |
|   | Yes/No   | Comments   |
| Vegetation Changes ?  |  |  |
| Soil/Rock Staining?   |  |  |
| Orange Water Colorization?  |  |  |
| Water Samples Collected?  |  |  |
| 1   | Yes/No   | pH result  |
| pH measurement taken?   | LN   |  |
| Road  |  |  |
|   | Yes/No   | Comments   |
| Vegetation Changes ?  |  |  |
| Soil/Rock Staining?   |  |  |
| Orange Water Colorization?  |  |  |
| Water Samples Collected?  |  |  |
|   | Yes/No   | pH result  |
| pH measurement taken?   |  |  |
| South Stormwater Pond   |  |  |
|   | Yes/No   | Comments   |
| Vegetation Changes ?  | (4   | COMMICHES  |
| Soil/Rock Staining?   | 1 1  |  |
| Orange Water Colorization?  |  |  |
| Water Samples Collected?  |  |  |
|   | Yes/No   | pH result  |
| pH measurement taken?   |  | P-1,303.   |
| West Stormwater Ponds   |  | A CONTRACTOR OF THE CONTRACTOR |
| AACST 2/01/11/AQTC: 1.01/02   | Vac/Na   |  |
| Vegetation Changes ?  | Yes/No   | Comments   |
| Soil/Rock Staining?   | <del></del>                                      |  |
| Orange Water Colorization?  | <del></del>                                      |  |
| Water Samples Collected?  | <del></del>                                      |  |
|   | Voc/No   |  |
| oH measurement taken?   | Yes/No   | pH result  |
| CONTRACTOR OF THE PROPERTY OF | 1 1 1  | 1  |

| Pit                           | 3 ARD Visual Inspe                                | ction Checklist    |
|-------------------------------|---|--------------------|
| Date: 2/2///                  | Time: 17  | 50                 |
| Inspector's Name(Print/Sign): | ruseu sas   | except No Neyrolla |
| Highwall                      | V   |                    |
|                               | Yes/No  | Comments           |
| Vegetation Changes ?          | N   |                    |
| Soil/Rock Staining?           |   |                    |
| Orange Water Colorization?    |   |                    |
| Water Samples Collected?      |   |                    |
|                               | Yes/No  | pH result          |
| pH measurement taken?         | N   |                    |
| Pit 3 Lower Parking Area      |   |                    |
| it 5 tower i arking Alea      | Van/81-   | _                  |
| Vegetation Changes ?          | Yes/No  | Comments           |
| Soil/Rock Staining?           | <u> </u>  |                    |
| Orange Water Colorization?    |   |                    |
| Water Samples Collected?      | <del>                                     </del>  |                    |
| trater samples collected:     |   |                    |
| oH measurement taken?         | Yes/No.   | pH result          |
|                               |   |                    |
| Pit 3 Upper Laydown           |   |                    |
|                               | Yes/No  | Comments           |
| /egetation Changes ?          |   |                    |
| oil/Rock Staining?            |   |                    |
| Prange Water Colorization?    |   |                    |
| Vater Samples Collected?      |   |                    |
|                               | Yes/No  | pH result          |
| H measurement taken?          |   |                    |
| load                          |   |                    |
|                               | Yes/No  | Commission         |
| egetation Changes ?           | \(\sigma\)  | Comments           |
| oil/Rock Staining?            | 1-7-1-  |                    |
| range Water Colorization?     |   |                    |
| Vater Samples Collected?      |   |                    |
| tate. Jampies Conceeds.       | Yes/No.   |                    |
| H measurement taken?          | 165/140   | pH result          |
|                               |   |                    |
| outh Stormwater Pond          | mostly.   | filled in W/Poc/Z  |
|                               | Yes/No [  | Comments           |
| egetation Changes ?           | 2   |                    |
| oil/Rock Staining?            |   |                    |
| range Water Colorization?     |   |                    |
| ater Samples Collected?       |   |                    |
|                               | Yes/No  | pH result          |
| l measurement taken?          | 72  |                    |
| est Stormwater Ponds          |   |                    |
|                               | Yes/No  | Commont            |
| getation Changes ?            | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \             | Comments           |
| il/Rock Staining?             | <del>  /                                   </del> |                    |
| ange Water Colorization?      | <del>                                     </del>  |                    |
| ater Samples Collected?       |   |                    |
| neer rampies concetta:        | 1 1   |                    |
|                               | 11104   |                    |
| measurement taken?            | Yes/No  | pH result          |

| /isuai inspecti  | on Checklist  |
|--|---|
| Time: 150  | COMMUNICATION OF THE PROPERTY |
| U STOKE  | Exp + / Valazzi At to.  |
|  |   |
| Yes/No   | Comments  |
| N  |   |
|  |   |
|  |   |
|  |   |
| Yes/No   | pH result   |
| N  |   |
|  |   |
| Von/No   |   |
| Yes/No   | Comments  |
|  |   |
|  |   |
|  |   |
| L  |   |
| Yes/No   | pH result   |
|  |   |
| A CONTRACTOR OF THE PROPERTY O |   |
| Yes/No   | Comments  |
|  |   |
| 1  |   |
|  |   |
|  |   |
| Yes/No   | pH result   |
|  |   |
|  |   |
| Vec/No   | Community   |
| A 3  | Comments  |
| <del>    /     -  </del>   |   |
| <del>                                     </del>   |   |
|  |   |
|  |   |
| V/01-  |   |
| Yes/No   | pH result   |
| Yes/No   | pH result   |
| Yes/No.  | pH result   |
| Yes/No<br>Yes/No   | pH result  Comments   |
|  |   |
|  |   |
|  |   |
|  |   |
|  |   |
| Yes/No   | Comments  |
| Yes/No   | Comments  |
| Yes/No<br>Yes/No   | Comments  pH result   |
| Yes/No   | Comments  |
| Yes/No<br>Yes/No   | Comments  pH result   |
| The same of the sa | Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No   |

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| Pit 3 ARD V  | licus Incom  | tion Checklist   |
|--|--|--|
| Date: 4/25/17  | THE RESERVE OF THE PROPERTY OF THE PERSON OF |  |
| Inspector's Name(Print/Sign):  | Time: 151  | A- 111. In a . 11 1 1 1 1 1  |
| Highwall   | 1 3 12 12 12 12 12 12 12 12 12 12 12 12 12   | 1-14NHM/MARTED   |
| 11 11 12 11 12 12 12 12 12 12 12 12 12 1   | Voc/No   | ,  |
| Vegetation Changes ?   | Yes/No   | Comments   |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   | <del>                                     </del>   |  |
| Water Samples Collected?   | <del>                                     </del>   |  |
| Trater samples conceeds.   | Yes/No   | سلة معالمة   |
| pH measurement taken?  | Tes/No   | pH result  |
|  |  |  |
| Pit 3 Lower Parking Area   |  |  |
|  | Yes/No   | Comments   |
| Vegetation Changes ?   |  |  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
| A Marian   | Yes/No   | pH result  |
| pH measurement taken?  | NI   |  |
| Pit 3 Upper Laydown  |  |  |
|  | Yes/No   | Commonts   |
| Vegetation Changes ?   | 103,713  | Comments   |
| Soil/Rock Staining?  | <u> </u>   |  |
| Orange Water Colorization?   | <del> </del>   |  |
| Water Samples Collected?   |  |  |
| Water Jumples Concetted,   | Yes/No   | 3.4  |
| pH measurement taken?  | Tesylvo  | pH result  |
|  | 1 / 4 /  |  |
| Road   |  | and the control of th |
|  | Yes/No   | Comments   |
| Vegetation Changes ?   | N  |  |
| Soil/Rock Staining?  | 1  |  |
| Orange Water Colorization?   | El sécolo.   |  |
| Water Samples Collected?   |  |  |
|  | Yes/No   | pH result  |
| pH measurement taken?  |  | -  |
| South Stormwater Pond  |  |  |
| Journ Stormheuter : Vita   | Vac/Na   | <b>5</b>   |
| Vegetation Changes ?   | Yes/No   | Comments   |
| vegetation changes :   | 1 6 7  |  |
| Cail/Dack Staining?  | <del>                                     </del>   |  |
| Soil/Rock Staining? Orange Water Colorization?   | 1  |  |
| Orange Water Colorization?   |  |  |
|  |  |  |
| Orange Water Colorization?<br>Water Samples Collected?   | Yes/No   | pH result  |
| Orange Water Colorization?   | Yes/No   | pH result  |
| Orange Water Colorization?<br>Water Samples Collected?<br>pH measurement taken?  | Yes/No   | pH result  |
| Orange Water Colorization?<br>Water Samples Collected?<br>pH measurement taken?  | Yes/No Yes/No  | pH result  Comments  |
| Orange Water Colorization?<br>Water Samples Collected?   |  |  |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No   |  |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No   |  |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?                            | Yes/No   |  |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? | Yes/No   |  |

| Pit 3 Al   | RD Visual Inspecti                                | on Checklist   |
|--|---|--|
| Date: 6/7/17   | Time: 17.47                                       |  |
| Inspector's Name(Print/Sign): VCA  | SCY STOCKER                                       | 4  |
| Highwall   |   |  |
| AND THE PROPERTY OF THE PROPER | Yes/No  | Comments   |
| Vegetation Changes ?   | 7   |  |
| Soil/Rock Staining?  |   |  |
| Orange Water Colorization?   |   |  |
| Water Samples Collected?   |   |  |
|  | Yes/No  | pH result  |
| pH measurement taken?  |   |  |
| Pit 3 Lower Parking Area   |   |  |
|  | Yes/No  | Comments   |
| Vegetation Changes ?   | N   |  |
| Soil/Rock Staining?  |   | The state of the s |
| Orange Water Colorization?   |   |  |
| Water Samples Collected?   |   |  |
|  | Yes/No  | pH result  |
| pH measurement taken?  |   |  |
| Pit 3 Upper Laydown  |   |  |
| TIM  | giv wi Ro<br>Yes/No                               | Comments   |
| Vegetation Changes ?   |   | connitents   |
| Soil/Rock Staining?  |   |  |
| Orange Water Colorization?   |   |  |
| Water Samples Collected?   |   |  |
| ,  | Yes/No  | pH result  |
| pH measurement taken?  |   | priresun   |
| Road   |   |  |
|  | Vor/No  | •  |
| Vegetation Changes ?   | Yes/No  | Comments   |
| Soil/Rock Staining?  | <del></del>                                       |  |
| Orange Water Colorization?   | <del>- \                                   </del> |  |
| Water Samples Collected?   |   |  |
| vvacci Jampies Conecteu:   | Yes/No  |  |
| pH measurement taken?  | Tes/No  | pH result  |
|  |   |  |
| South Stormwater Pond + Clin   | IN WI TWO   | V4   |
| Vegetation Changes ?   | V 1   | Comments   |
| Soil/Rock Staining?  | <u> </u>  |  |
| Orange Water Colorization?   |   |  |
|  |   |  |
| Water Samples Collected?   | <u> </u>  |  |
| oH measurement taken?  | Yes/No  | pH result  |
|  |   |  |
| West Stormwater Ponds  |   | Committee of the Commit |
|  | Yes/No  | Comments   |
| /egetation Changes ?   |   |  |
| ioil/Rock Staining?  |   |  |
| <del>-</del>   |   |  |
| Drange Water Colorization?   |   |  |
| <del>-</del>   |   |  |
| Drange Water Colorization?   | Yes/No \  | pH result  |

|  | sual inspe         | ction Checklist                         |
|--|--------------------|---|
| Date: ら 23 /1子<br>Inspector's Name(Print/Sign): 火んらん   |                    |   |
| Inspector's Name(Print/Sign): LASTA  | Smaa               | ust dibut Statut                        |
| Highwall   |                    |   |
|  | Yes/No             | Comments                                |
| Vegetation Changes ?   | 7                  |   |
| Soil/Rock Staining?  | of the same        |   |
| Orange Water Colorization?   |                    |   |
| Water Samples Collected?   |                    |   |
|  | Yes/No             | pH result                               |
| pH measurement taken?  |                    |   |
| Pit 3 Lower Parking Area   |                    |   |
|  | Yes/No             | Comments                                |
| Vegetation Changes ?   |                    | Commence                                |
| Soil/Rock Staining?  | 7                  |   |
| Orange Water Colorization?   |                    |   |
| Water Samples Collected?   |                    |   |
|  | Yes/No             | pH result                               |
| pH measurement taken?  |                    |   |
| Pit 3 Upper Laydown Filling  |                    | 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Pit 3 Upper Laydown Filing   | \V\ \W \<br>Yes/Np | Waste Rock: OK                          |
| Vegetation Changes ?   | 163/10             | Comments                                |
| Soil/Rock Staining?  |                    |   |
| Orange Water Colorization?   |                    |   |
| Water Samples Collected?   |                    |   |
|  | Yes/No             | pH result                               |
| pH measurement taken?  | i N i              | priresun                                |
| Road   |                    |   |
| Road   | N. 194             |   |
| Vegetation Changes ?   | Yes/No             | Comments                                |
| Soil/Rock Staining?  |                    |   |
|  | 1 ' 1              |   |
| _  | 1                  |   |
| Orange Water Colorization?   |                    |   |
| _  | Vos/No             |   |
| Orange Water Colorization? Water Samples Collected?  | Yes/No             | pH result                               |
| Orange Water Colorization? Water Samples Collected? pH measurement taken?  |                    |   |
| Orange Water Colorization? Water Samples Collected? pH measurement taken?  | Siled in           | IN WASTE POCK: OK                       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  |                    | pH result  WHE POCK: OK  Comments       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes?   | Siled in           | IN WASTE POCK: OK                       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes?  Soil/Rock Staining?  | Siled in           | IN WASTE POCK: OK                       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Siled in           | IN WASTE POCK: OK                       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes?  Soil/Rock Staining?  | Yes/No             | WWSHE POCK: OK<br>Comments              |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Siled in           | IN WASTE POCK: OK                       |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No             | WWSHE POCK: OK<br>Comments              |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No             | WWSHE POCK: OK<br>Comments              |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No             | WWSHE POCK: OK<br>Comments              |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No.            | WHE POCK: OK Comments  pH result        |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining?                             | Yes/No.            | WASHE POCK: OK  Comments  pH result     |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? | Yes/No.            | WASHE POCK: OK  Comments  pH result     |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining?                             | Yes/No.            | WASHE POCK: OK  Comments  pH result     |
| Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? | Yes/No.            | WASHE POCK: OK  Comments  pH result     |

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|--|--|---------------------|
| Pit 3 ARD  | Visual Inspection  | Checklist           |
| Date: 6/5/17   | Time: 1630   |                     |
| Inspector's Name(Print/Sign): Meli   | ssa Arnold   | Melen thene         |
| Highwall   |  |                     |
|  | Yes/No   | Comments            |
| Vegetation Changes ?   | 2  |                     |
| Soil/Rock Staining?  |  |                     |
| Orange Water Colorization?   | N  |                     |
| Water Samples Collected?   | 2  |                     |
|  | Yes/No   | pH result           |
| pH measurement taken?  | No   |                     |
| Pit 3 Lower Parking Area   |  |                     |
| ~  | Yes/No   | Comments            |
| Vegetation Changes ?   | Ni   | comments            |
| Soil/Rock Staining?  |  |                     |
| Orange Water Colorization?   |  |                     |
| Water Samples Collected?   |  |                     |
|  | Yes/No   | pH result           |
| pH measurement taken?  | No   | pritesur            |
| Die 2 Unnerstanden   |  |                     |
| Pit 3 Upper Laydown  |  |                     |
| Vocatation Change 7  | Yes/No   | Comments            |
| Vegetation Changes ?   | N  |                     |
| Soil/Rock Staining?  |  |                     |
| Orange Water Colorization?   |  |                     |
| Water Samples Collected?   |  |                     |
| nii moneuromonttakom?  | Yes/No   | pH result           |
| pH measurement taken?  | No   |                     |
| Road   | A CONTRACTOR OF THE PROPERTY O |                     |
|  | Yes/No   | Comments            |
| Vegetation Changes ?   | N.   |                     |
| Soil/Rock Staining?  |  |                     |
| Orange Water Colorization?   |  |                     |
| Water Samples Collected?   | V  |                     |
|  |  |                     |
|  | Yes/No   | pH result           |
| pH measurement taken?  |  | pH result           |
|  | Yes/No<br>No   | pH result           |
|  | No   |                     |
| South Stormwater Pond  | No –   | pH result  Comments |
| South Stormwater Pond Vegetation Changes ?   | No   |                     |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?   | No –   |                     |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | No –   |                     |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | Yes/No   | Comments            |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No   |                     |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  OH measurement taken?  | Yes/No   | Comments            |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  OH measurement taken?  | Yes/No N Yes/No Yes/No N O   | Comments            |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No Yes/No  | Comments            |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No N Yes/No Yes/No N O   | Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? OH measurement taken? West Stormwater Ponds Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? oH measurement taken? West Stormwater Ponds Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? oH measurement taken? West Stormwater Ponds Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No N Yes/No N Yes/No N Yes/No N O  | Comments  pH result |
| PH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?   | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result |

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|---|---|--|
|   | CONTRACTOR OF THE PARTY OF THE | tion Checklist   |
| Date: 6/277 17 Inspector's Name(Print/Sign):66 Set  | Time: 13/   | 5P 1/11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |
| Highwall  | STOCKUE   | 1 they stayed  |
| uiRussan /  | V- (b)  | 1  |
| Vegetation Changes ?  | Yes/No  | Comments   |
| Soil/Rock Staining?   | 20  |  |
| Orange Water Colorization?  |   |  |
| Water Samples Collected?  |   |  |
| water samples confected:  | Yes/No  |  |
| pH measurement taken?   |   | pH result  |
|   | $L \Lambda_0 L$   |  |
| Pit 3 Lower Parking Area  |   | A service of a ser |
|   | Yes/No  | Comments   |
| Vegetation Changes ?  | No  |  |
| Soil/Rock Staining?   |   |  |
| Orange Water Colorization?  |   |  |
| Water Samples Collected?  |   |  |
|   | Yes/No  | pH result  |
| pH measurement taken?   | Larl  |  |
| Pit 3 Upper Laydown   |   |  |
|   | Yes/No  | Comments   |
| Vegetation Changes ?  | NOT   | OUNTER   |
| Soil/Rock Staining?   |   |  |
| Orange Water Colorization?  |   |  |
| Water Samples Collected?  |   |  |
|   | Yes/No  | pH result  |
| pH measurement taken?   | 100   |  |
| primeasurement taken:   | IMOI  |  |
|   |   |  |
| Road  |   | Comments   |
| Road  | Yes/No  | Comments   |
| Road Vegetation Changes ?   |   | Comments   |
| Road  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No  | Comments   |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | Yes/No  | Comments   |
| Road  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No  | Comments  pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No  |  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  | Yes/No Yes/No Yes/No  |  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  | Yes/No Yes/No Yes/No  | pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No  | pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No  | pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No  | pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No Yes/No Yes/No  | pH result  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No  | pH result  Comments  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  pH result   |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No Yes/No Yes/No  | pH result  Comments  |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No   | pH result  Comments  pH result   |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No   | pH result  Comments  pH result   |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?                      | Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No   | pH result  Comments  pH result   |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? | Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No   | pH result  Comments  pH result   |

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| Pia O E RA  |                             |  |
|---|-----------------------------|--|
|   | Visual Inspecti             | on Checklist                             |
| Date: 7/12/17 Inspector's Name(Print/Sign): Kelse   | Time: 120                   | 9 , , , , ,                              |
| inspector's Name(Print/Sign): (CCISCI   | Stocket                     | I herry statut                           |
| Highwall  | Y                           |  |
|   | Yes/No                      | Comments                                 |
| Vegetation Changes ?  | _ V                         |  |
| Soil/Rock Staining?   |                             | 433                                      |
| Orange Water Colorization?  |                             |  |
| Water Samples Collected?  |                             |  |
|   | Yes/No                      | pH result                                |
| pH measurement taken?   |                             |  |
| Pit 3 Lower Parking Area  |                             |  |
|   | Yes/No                      | Comments                                 |
| Vegetation Changes ?  | $\square$                   |  |
| Soil/Rock Staining?   | 1                           |  |
| Orange Water Colorization?  |                             |  |
| Water Samples Collected?  |                             |  |
| **************************************  | Yes/No                      | pH result                                |
| pH measurement taken?   |                             |  |
| Pit 3 Upper Laydown   |                             |  |
| •   | Yes/No                      | Comments                                 |
| Vegetation Changes ?  |                             | Connents                                 |
| Soil/Rock Staining?   |                             |  |
| Orange Water Colorization?  |                             |  |
| Water Samples Collected?  |                             |  |
| ,   | Yes/No                      | pH result                                |
|   |                             | priresult                                |
| pH measurement taken?   |                             |  |
|   | INT                         |  |
| pH measurement taken?<br>Road   |                             |  |
| Road  | Yes/No                      | Comments                                 |
| Road Vegetation Changes ?   |                             |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?   |                             |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |                             |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?   | Yes/No                      | Comments                                 |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   |                             |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  | Yes/No                      | Comments                                 |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No N Yes/No Yes/No      | Comments                                 |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  South Stormwater Pond   | Yes/No Yes/No Yes/No        | Comments                                 |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  | Yes/No N Yes/No Yes/No      | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No        | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No        | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No | Comments  pH result                      |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No        | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments            |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments            |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments  pH result |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments            |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments  pH result |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments  pH result |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?                      | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? | Yes/No Yes/No Yes/No Yes/No | Comments  PH result  Comments  pH result |

| Pit 3 A  | RD Visual insp   | ection Checklist        |   |
|--|--|-------------------------|---|
| Date: 8/26/17  | Time:  | 200 1/1                 |   |
| Inspector's Name(Print/Sign):  | ISLY STOCK   | les terres stated       |   |
| Highwall   | 1  |                         |   |
| description of the second of t | Yes/No   | Comments                |   |
| Vegetation Changes ?   | <u> </u>   |                         |   |
| Soil/Rock Staining?  | <u> </u>   |                         |   |
| Orange Water Colorization?   |  |                         |   |
| Water Samples Collected?   |  |                         |   |
|  | Yes/No   | pH result               |   |
| pH measurement taken?  | $ \perp$ $\lambda$   |                         |   |
| Pit 3 Lower Parking Area   | The state of the s |                         |   |
|  | Yes/No   | Comments                | TO A STATE OF THE |
| Vegetation Changes ?   |  | ARDS DILL EXPOSED       | mianden   |
| Soil/Rock Staining?  |  | nieds to be parelled    |   |
| Orange Water Colorization?   |  | but no staining or popl |   |
| Water Samples Collected?   |  | FOIN FROM TILE          | 46) " (   |
|  | Yes/No   | pH result               | 1   |
| pH measurement taken?  | N  |                         | and the second  |
| Pit 3 Upper Laydown  |  |                         |   |
| ••••••   | Yes/No   | Comments                |   |
| Vegetation Changes ?   |  |                         | -[  |
| Soil/Rock Staining?  | 1-7-   | mostry filled in w7     |   |
| Orange Water Colorization?   |  | Weste Kock              | 4   |
| Water Samples Collected?   | <del> </del>   |                         | -   |
| •  | Yes/No   | pH result               |   |
| pH measurement taken?  |  | hiticans                |   |
| Road   |  | 494                     |   |
| Nodu   | Von/No   | _                       |   |
| Vegetation Changes ?   | Yes/No   | Comments                |   |
| Soil/Rock Staining?  | <del>                                   </del>   |                         |   |
| Orange Water Colorization?   | <del></del>  |                         |   |
| Water Samples Collected?   |  |                         | I   |
| vater samples collected:   |  |                         |   |
| oH measurement taken?  | Yes/No   | pH result               |   |
|  |  |                         |   |
| outh Stormwater Pond   |  |                         |   |
|  | Yes/No   | Comments                |   |
| egetation Changes ?  | $\sim \sim$  | Mostly filled w/ waste  |   |
| oil/Rock Staining?   |  | POC L.                  |   |
| Prange Water Colorization?   |  |                         |   |
| Vater Samples Collected?   |  |                         |   |
|  | Yes/No   | pH result               |   |
| H measurement taken?   |  |                         |   |
| Vest Stormwater Ponds  |  |                         |   |
|  | Yes/No   | Comments                |   |
| egetation Changes ?  | T A) T   | Sommethy.               |   |
| oil/Rock Staining?   |  |                         |   |
| range Water Colorization?  | <del>                                      </del>  |                         |   |
| /ater Samples Collected?   |  |                         |   |
| •  | Yes/No   | nH rocult               |   |
| H measurement taken?   | A I  | pH result               |   |

| Pit 3 A                       | ARD Visual Inspection C    | 'hacklist  |
|-------------------------------|----------------------------|--|
| Date: 9/0/12                  | Time:                      |  |
| Inspector's Name(Print/Sign): | NSM STORD L                | 1 Melacian Attack  |
| Highwall                      | are different and a second | - Thornal Colonia  |
|                               | Yes/No                     |  |
| Vegetation Changes ?          | res/No                     | Comments   |
| Soil/Rock Staining?           |                            |  |
| Orange Water Colorization?    |                            |  |
| Water Samples Collected?      |                            |  |
| Total Sumples Concercus       | Voo/81-                    |  |
| pH measurement taken?         | Yes/No                     | pH result  |
|                               |                            |  |
| Pit 3 Lower Parking Area      |                            |  |
|                               | Yes/No                     | Comments   |
| Vegetation Changes ?          |                            |  |
| Soil/Rock Staining?           |                            | and the second s |
| Orange Water Colorization?    | *Eastern                   |  |
| Water Samples Collected?      |                            |  |
|                               | Yes/No                     | pH result  |
| pH measurement taken?         | N                          |  |
| Pit 3 Upper Laydown           |                            |  |
| . it 5 oppor Edycoviii        | Voc/No                     | _  |
| Vegetation Changes ?          | Yes/No                     | Comments   |
| Soil/Rock Staining?           |                            |  |
| Orange Water Colorization?    |                            |  |
| Water Samples Collected?      |                            |  |
| water samples collected?      |                            |  |
| nil massurament taken?        | Yes/No                     | pH result  |
| pH measurement taken?         |                            |  |
| Road                          |                            |  |
|                               | Yes/No                     | Comments   |
| Vegetation Changes ?          |                            |  |
| Soil/Rock Staining?           |                            |  |
| Orange Water Colorization?    |                            |  |
| Water Samples Collected?      |                            |  |
|                               | Yes/No                     | pH result  |
| pH measurement taken?         |                            | P1, 1 COVIE  |
| South Stormwater Pond         |                            |  |
| South Stormwater Fond         | v 6.                       |  |
| Vagatation Changes 2          | Yes/No                     | Comments   |
| Vegetation Changes ?          |                            |  |
| Soil/Rock Staining?           | 1                          |  |
| Orange Water Colorization?    |                            |  |
| Water Samples Collected?      | \                          |  |
|                               | Yes/No                     | pH result  |
| oH measurement taken?         | I IV                       |  |
| West Stormwater Ponds         |                            |  |
|                               | Yes/No                     | Comments   |
| Vegetation Changes ?          |                            | COMBREHIS  |
| Soil/Rock Staining?           |                            |  |
| Orange Water Colorization?    |                            |  |
| Water Samples Collected?      |                            |  |
|                               |                            |  |
|                               | Yes/No.                    | nH rocult "  |
| PH measurement taken?         | Yes/No                     | pH result  |

| Pit 3 ARD Vi   | cual Inche   | ection Checklist                         |
|--|--|--|
| Date: 9/20/17  | Time:  | CLIOU FUECKII21                          |
| Inspector's Name(Print/Sign): Ve A Se A  | Time:  | Mart Jehren Hated                        |
| Highwall   | 4 2724   | Much Applitation                         |
| fultiman   | /41  | V  |
| Vegetation Changes ?   | Yes/No   | Comments                                 |
| ,  | 12   |  |
| Soil/Rock Staining?  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   | · ·  |  |
| And the state of t | Yes/No   | pH result                                |
| pH measurement taken?  |  |  |
| Pit 3 Lower Parking Area CANA TO VALLE   | II carlin  | Any all confinement                      |
| - Solach Mai   | Yes/No   | ARDS PILO CONTAINMENT.                   |
| Vegetation Changes? RUNNING  |  | Conditions                               |
| Vegetation Changes? RUNNING<br>Soil/Rock Staining? Programmer  |  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   | <b> </b>   |  |
| water Janipies Concesses.  | Yes/No   |  |
| pH measurement taken?  |  | pH result                                |
|  | L = Q - 1  |  |
| Pit 3 Upper Laydown  | The state of the s |  |
|  | Yes/No   | Comments                                 |
| Vegetation Changes ?   | 7  |  |
| Soil/Rock Staining?  | 1  |  |
| Orange Water Colorization?   |  |  |
| Water Samples Collected?   |  |  |
| •  |  |  |
|  | Ves/No.  | nH recult                                |
| pH measurement taken?  | Yes/No   | pH result                                |
|  | Yes/No   | pH result                                |
| pH measurement taken? Road   |  | pH result                                |
| Road   | Yes/No<br>Yes/No   | pH result  Comments                      |
| Road Vegetation Changes ?  |  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  |  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  |  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  |  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  |  |  |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  | Yes/No   | Comments                                 |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?   | Yes/No  Yes/No  Yes/No   | Comments                                 |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  South Stormwater Pond  | Yes/No  Yes/No  Yes/No   | Comments                                 |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?   | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?   | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?   | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?   | Yes/No  Yes/No  Yes/No   | Comments  pH result                      |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result  Comments            |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result  Comments            |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds   | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds   | Yes/No Yes/No Yes/No Yes/No  | Comments  pH result  Comments            |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?   | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken? South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken? Water Samples Collected? pH measurement taken? West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken? South Stormwater Pond Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken? West Stormwater Ponds Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken? South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected? pH measurement taken? Water Samples Collected? pH measurement taken? West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |
| Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  Vest Stormwater Ponds  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No Yes/No Yes/No   | Comments  PH result  Comments  pH result |

|  | 300                       |               |  |
|--|---------------------------|---------------|--|
| Pit 3 A                                  | <b>NRD Visual Inspect</b> | ion Checklist |  |
| Date: 10/10/17                           | Time: 17,                 | 00            | endparpagge  |
| Inspector's Name(Print/Sign):            | SCAL STOROLAR             | A-            |  |
| Highwall                                 |                           |               |  |
|  | `Yes/No                   | Comments      |  |
| Vegetation Changes ?                     | NT                        | CONTRICTES    |  |
| Soil/Rock Staining?                      |                           |               |  |
| Orange Water Colorization?               |                           |               |  |
| Water Samples Collected?                 |                           |               |  |
|  | Yes/No ,                  | pH result     |  |
| pH measurement taken?                    |                           | pritesur      |  |
| Pit 2 Lower Parking Area                 |                           |               |  |
| Pit 3 Lower Parking Area                 | ne de c                   |               |  |
| Vogotation Changes 2                     | Yes/No                    | Comments      |  |
| Vegetation Changes ? Soil/Rock Staining? | $ \lambda$ $\perp$        |               |  |
|  |                           |               |  |
| Orange Water Colorization?               |                           |               |  |
| Water Samples Collected?                 | <u> </u>                  |               |  |
| -11                                      | Yes/No                    | pH result     |  |
| pH measurement taken?                    |                           |               |  |
| Pit 3 Upper Laydown                      |                           |               |  |
|  | Yes/No r                  | Comments      |  |
| Vegetation Changes ?                     |                           | Commons       |  |
| Soil/Rock Staining?                      |                           |               |  |
| Orange Water Colorization?               |                           |               |  |
| Water Samples Collected?                 |                           |               |  |
|  | Yes/No ,                  | pH result     |  |
| pH measurement taken?                    | r Ahr                     | privesar      |  |
| Road                                     |                           |               |  |
| Nodu                                     | Van /Na                   | _             |  |
| Vegetation Changes ?                     | Yes/No.                   | Comments      |  |
| Soil/Rock Staining?                      | <u> </u>                  |               |  |
| Orange Water Colorization?               |                           |               |  |
| Water Samples Collected?                 |                           |               |  |
| water samples collected?                 |                           |               |  |
| n li mangung mant talian 2               | Yes/No                    | pH result     |  |
| pH measurement taken?                    |                           |               |  |
| South Stormwater Pond                    |                           |               |  |
|  | Yes/No                    | Comments      |  |
| Vegetation Changes ?                     |                           |               |  |
| Soil/Rock Staining?                      |                           |               | -  |
| Orange Water Colorization?               |                           |               |  |
| Water Samples Collected?                 |                           |               | $\dashv$   |
|  | Yes/No ,                  | pH result     |  |
| oH measurement taken?                    |                           | privesare     | _  |
| West Stormwater Ponds                    |                           |               |  |
| vest Stormwater Ponds                    |                           |               | The state of the s |
| formation Chauses 2                      | Yes/Non                   | Comments      |  |
| /egetation Changes ?                     |                           |               |  |
| Soil/Rock Staining?                      | Ì                         |               |  |
| Orange Water Colorization?               | TANKS .                   |               |  |
| Vater Samples Collected?                 |                           |               |  |
|  | 20 100                    |               |  |
| H measurement taken?                     | Yes/No.                   | pH result     |  |

| Pit 3 Al   | RD Visual Inspection ( | Checklist .  |
|--|------------------------|--|
| Date: 10/3/17  | Time: [146             |  |
| Inspector's Name(Print/Sign):                          | You santiques          | - Herry States   |
| Highwall   |                        |  |
| \ampha matation Change 2                               | Yes/No                 | Comments   |
| Vegetation Changes ?                                   |                        |  |
| Soil/Rock Staining?                                    |                        |  |
| Orange Water Colorization?<br>Water Samples Collected? |                        |  |
| Marci Sambles Collected                                | Year (N)               |  |
| pH measurement taken?                                  | Yes/No                 | pH result  |
|  |                        |  |
| Pit 3 Lower Parking Area                               | N. 10.                 |  |
| Vegetation Changes ?                                   | Yes/No                 | Comments   |
| Soil/Rock Staining?                                    |                        |  |
| Orange Water Colorization?                             |                        |  |
| Water Samples Collected?                               |                        |  |
| vvater samples confected:                              | Voc/No                 |  |
| pH measurement taken?                                  | Yes/No                 | pH result  |
|  |                        |  |
| Pit 3 Upper Laydown                                    | 77 Av                  |  |
| Vegetation Changes ?                                   | Yes/No                 | Comments   |
| Soil/Rock Staining?                                    | <u> </u>               |  |
| Orange Water Colorization?                             |                        |  |
| Water Samples Collected?                               |                        |  |
| water sumples conceed;                                 | L Vas/Ne               |  |
| pH measurement taken?                                  | Yes/No                 | pH result  |
| Road   |                        |  |
| Koad   | 17 /6                  |  |
| Vegetation Changes ?                                   | Yes/No                 | Comments   |
| Soil/Rock Staining?                                    |                        |  |
| Orange Water Colorization?                             |                        |  |
| Water Samples Collected?                               |                        |  |
| vitter sumpres confected;                              | Yes/No                 |  |
| oH measurement taken?                                  | 165/100                | pH result  |
| South Stormwater Pond                                  |                        |  |
| outh stormwater rong                                   | Voc/No                 |  |
| Vegetation Changes ?                                   | Yes/No                 | Comments   |
| Soil/Rock Staining?                                    |                        |  |
| Orange Water Colorization?                             |                        |  |
| Water Samples Collected?                               |                        |  |
| vater samples concetta:                                | Yes/No                 |  |
| oH measurement taken?                                  | Tes/No                 | pH result  |
|  |                        |  |
| Vest Stormwater Ponds                                  | Vac/Na                 |  |
| egetation Changes ?                                    | Yes/No                 | Comments   |
| oil/Rock Staining?                                     |                        |  |
| On Nock Stating:<br>Drange Water Colorization?         |                        |  |
| Vater Samples Collected?                               |                        |  |
| - ara. oumpies concuted!                               | Voc/No                 |  |
| H measurement taken?                                   | Yes/No.                | pH result  |
|  | , e - 1                | The state of the s |

| Pit 3 ARD Vi   | sual inspe                | ection Checklist          |
|--|---------------------------|---------------------------|
| Doto   | _ Time: id                | 2. C.                     |
| Inspector's Name(Print/Sign): (2)  | Stadal                    | F Wohard St. D. A         |
| Highwall   |                           | A ROBERT WIND             |
|  | Yes/No                    | Comments                  |
| Vegetation Changes ?   | 103/110                   | Comments                  |
| Soil/Rock Staining?  |                           |                           |
| Orange Water Colorization?   |                           |                           |
| Water Samples Collected?   |                           |                           |
| The samples concered.  | Vac/Na                    |                           |
| pH measurement taken?  | Yes/No                    | pH result                 |
|  | L / V                     |                           |
| Pit 3 Lower Parking Area   | 18 12/21                  | ting this aladay for ou   |
| Pit 3 Lower Parking Area AZDS 7  | Yes/No                    | ting to be arushed far pu |
| Vegetation Changes ? WAN (S  | N                         |                           |
| Soil/Rock Staining? COVED CO   | 1 4                       |                           |
| Orange Water Colorization?   |                           |                           |
| Water Samples Collected?   |                           |                           |
|  | Yes/No                    | pH result                 |
| pH measurement taken?  | N V                       | priresult                 |
|  |                           |                           |
| Pit 3 Upper Laydown  |                           |                           |
|  | Yes/No                    | Comments                  |
| Vegetation Changes ?   |                           |                           |
| Soil/Rock Staining?  | į į                       |                           |
| Orange Water Colorization?   |                           |                           |
| Water Samples Collected?   |                           |                           |
|  | Yes/No                    | pH result                 |
| pH measurement taken?  |                           | principal                 |
| Road   | had Yal                   |                           |
| Road   |                           |                           |
| Notice of the second se | Yes/No                    | Comments                  |
| Vegetation Changes ?   |                           |                           |
| Soil/Rock Staining?  |                           |                           |
| Orange Water Colorization?   |                           |                           |
| Water Samples Collected?   | 1 4 1                     |                           |
|  | L                         |                           |
|  | Yes/No                    | pH result                 |
| pH measurement taken?  | Yes/No                    | pH result                 |
|  | Yes/No                    | pH result                 |
| pH measurement taken? South Stormwater Pond  |                           |                           |
| South Stormwater Pond  | Yes/No Yes/No             | pH result  Comments       |
| South Stormwater Pond Vegetation Changes ?   |                           |                           |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  |                           |                           |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |                           |                           |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  |                           |                           |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  |                           |                           |
| South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | Yes/No                    | Comments                  |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No  Yes/No  Yes/No    | Comments                  |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No  Yes/No  Yes/No  N | Comments  pH result       |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No      | Comments                  |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No  Yes/No  Yes/No  N | Comments  pH result       |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No      | Comments  pH result       |
| South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  OH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No      | Comments  pH result       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  Water Samples Collected?  | Yes/No Yes/No Yes/No      | Comments  pH result       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  PH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?  Water Samples Collected?  | Yes/No Yes/No Yes/No      | Comments  pH result       |

| Pit 3 ARD   | Visual Insne        | ction Checklist  |
|---|---------------------|--|
| Date: 11/28/17  | Time:               | LAD a  |
| Inspector's Name(Print/Sign):   | 1 Stocke            | Of The Land  |
|   | 1                   |  |
| Highwall Snaw averling  | Yes/No.             | hing; no/stair lives-  |
| Vegetation Changes ?  | N                   | Comments   |
| Soil/Rock Staining?   | 1                   |  |
| Orange Water Colorization?  | 1                   |  |
| Water Samples Collected?  | 1                   |  |
|   | Yes/No              | pH result  |
| pH measurement taken?   |                     | Pricon   |
| Pit 3 Lower Parking Area  |                     |  |
|   | Yes/No              | Comment  |
| Vegetation Changes ?  | Λ (                 | Comments   |
| Soil/Rock Staining?   |                     |  |
| Orange Water Colorization?  | 1                   |  |
| Water Samples Collected?  |                     |  |
|   | Yes/No              |  |
| pH measurement taken?   | 1es/NO              | pH result  |
|   | LILV                |  |
| Pit 3 Upper Laydown   |                     | The state of the s |
| A constant of the constant of | Yes/No              | Comments   |
| Vegetation Changes ?  | 1-/\1               |  |
| Soil/Rock Staining?   |                     |  |
| Orange Water Colorization?  |                     |  |
| Water Samples Collected?  |                     |  |
|   | Yes/No              | pH result  |
| pH measurement taken?   |                     |  |
| Road  |                     |  |
|   | Yes/No              | Comments   |
| Vegetation Changes ?  | $\square$           |  |
| Soil/Rock Staining?   |                     |  |
| Orange Water Colorization?  |                     |  |
| Water Samples Collected?  | 1                   |  |
|   | Yes/No              | pH result  |
| pH measurement taken?   | $\Lambda$           |  |
| South Stormwater Pond   |                     |  |
|   | Yes/No              | Community  |
| Vegetation Changes ?  | 100                 | Comments   |
| Soil/Rock Staining?   | *\\\\               |  |
| Orange Water Colorization?  |                     |  |
| Water Samples Collected?  |                     |  |
|   | Yes/No              | pli result   |
| pH measurement taken?   | N                   | pH result  |
|   | 1 2                 |  |
| West Stormwater Ponds   |                     | The state of the s |
| Manadadian Channa 2   | Yes/No <sub>3</sub> | Comments   |
| Vegetation Changes ?  | !\/                 |  |
| Soil/Rock Staining?   |                     |  |
| Orange Water Colorization?  |                     |  |
| Water Samples Collected?  | 1                   |  |
| all management and the land   | Yes/No              | pH result  |
| oH measurement taken?   | + N +               |  |

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| Pit 3 ARD   | Visual Inspec                      | tion Charliet                  |                                       |
|---|------------------------------------|--------------------------------|---------------------------------------|
|   |                                    | 100 Checkist                   | Witness (12 of the Nation             |
| Date: 12/12/17<br>Inspector's Name(Print/Sign): [CEIS   | eu Streke                          | 700                            |                                       |
| Highwall  | ch amora                           |                                |                                       |
|   | Va=/81=                            | _                              |                                       |
| Vegetation Changes ?  | Yes/No                             | Comments                       |                                       |
| Soil/Rock Staining?   |                                    |                                | ****                                  |
| Orange Water Colorization?  |                                    |                                | ····                                  |
| Water Samples Collected?  |                                    |                                |                                       |
| woter Jampies Conected!   | V (A)                              |                                | ····                                  |
| pH measurement taken?   | Yes/No                             | pH result                      | ·                                     |
|   | I Ja I                             |                                |                                       |
| Pit 3 Lower Parking Area  |                                    |                                | New York                              |
| acutary and a second  | Yes/No                             | Comments                       |                                       |
| Vegetation Changes ?  | N                                  |                                | ·                                     |
| Soil/Rock Staining?   |                                    |                                |                                       |
| Orange Water Colorization?  |                                    |                                |                                       |
| Water Samples Collected?  | 8                                  |                                | <del></del>                           |
|   | Yes/No                             | pH result                      | · · · · · · · · · · · · · · · · · · · |
| pH measurement taken?   | N                                  |                                | ····                                  |
| Pit 3 Upper Laydown   |                                    |                                |                                       |
| a it s opper tuydovati  | Voo/Ni-                            | _                              |                                       |
| Vegetation Changes ?  | Yes/No                             | Comments                       |                                       |
| Soil/Rock Staining?   | <del></del>                        |                                |                                       |
| Orange Water Colorization?  |                                    |                                |                                       |
| Water Samples Collected?  | <b>├</b> ─                         |                                |                                       |
| water samples conected:   | Yes/No                             |                                |                                       |
| 8   | YESTIMA                            |                                |                                       |
| nH measurement taken?   |                                    | pH result                      |                                       |
| pH measurement taken?   |                                    | pH result                      |                                       |
| pH measurement taken?<br>Road   |                                    | priresult                      |                                       |
| Road  |                                    | Comments                       |                                       |
| Road Vegetation Changes ?   |                                    |                                |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?   |                                    |                                |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |                                    |                                |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?   |                                    |                                |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   |                                    |                                |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?   | Yes/No                             | Comments                       |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  | Yes/No Yes/No Yes/No               | Comments                       |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?   | Yes/No Yes/No Yes/No               | Comments  pH result            |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  South Stormwater Pond   | Yes/No Yes/No Yes/No               | Comments                       |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?   | Yes/No Yes/No Yes/No               | Comments  pH result            |                                       |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No               | Comments  pH result            |                                       |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization?   | Yes/No Yes/No Yes/No               | Comments  pH result            |                                       |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining?  | Yes/No Yes/No Yes/No               | Comments  pH result  Comments  |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No Yes/No Yes/No | Comments  pH result            |                                       |
| Road  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ?  Soil/Rock Staining?  Orange Water Colorization?  Water Samples Collected?  pH measurement taken?   | Yes/No Yes/No Yes/No               | Comments  pH result  Comments  |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  | Yes/No Yes/No Yes/No Yes/No Yes/No | Comments  pH result  Comments  |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  | Yes/No Yes/No Yes/No Yes/No Yes/No | Comments  pH result  Comments  |                                       |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No Yes/No Yes/No        | Comments  pH result  pH result |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?                            | Yes/No Yes/No Yes/No Yes/No Yes/No | Comments  pH result  pH result |                                       |
| Road  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ?  | Yes/No Yes/No Yes/No Yes/No        | Comments  pH result  pH result |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining?                            | Yes/No Yes/No Yes/No Yes/No        | Comments  pH result  pH result |                                       |
| Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  South Stormwater Pond  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  pH measurement taken?  West Stormwater Ponds  Vegetation Changes ? Soil/Rock Staining? Orange Water Colorization? | Yes/No Yes/No Yes/No Yes/No        | Comments  pH result  pH result |                                       |

| Di+ 2 A   | DN Marie Impres             |              |
|---|-----------------------------|--------------|
| Instantion of the second  |                             |              |
| Inspector's Namo(Print/Sign): 1/0/1   | Time: 1001<br>SCU Stockerst | C for large  |
| Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Pit 3 Lower Parking Area  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Pit 3 Upper Laydown  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Pit 3 Upper Laydown  Vegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Pes/No Wegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Ves/No Wegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Ves/No Wegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Ves/No Wegetation Changes? Soil/Rock Staining? Orange Water Colorization? Water Samples Collected?  Yes/No Wes/No Wes/No Wes/No Wes/No Wes/No |                             | Herry Atamil |
| Mignwaii  | · fa.                       |              |
| /ogstation Changes 2  | Yes/No                      | Comments     |
| * ·   |                             |              |
|   |                             |              |
| 8   |                             |              |
| avater samples collected?   | V (A)                       |              |
| nH messurement taken?   |                             | pH result    |
|   |                             |              |
| Pit 3 Lower Parking Area  |                             |              |
|   | Yes/No                      | Comments     |
| a –   | N                           |              |
| <del>-</del>  |                             |              |
| _   |                             |              |
| Water Samples Collected?  | <u> </u>                    |              |
|   | F T                         | pH result    |
| ph measurement taken?   |                             |              |
| Pit 3 Upper Laydown   |                             |              |
|   | Yes/No                      | Comments     |
| Vegetation Changes ?  | N                           |              |
| Soil/Rock Staining?   | 1                           |              |
|   |                             |              |
| Water Samples Collected?  |                             |              |
|   | Yes/No                      | pH result    |
| pH measurement taken?   | N                           |              |
| Road  |                             |              |
|   | Yes/No                      | Comments     |
| Vegetation Changes ?  |                             |              |
| Soil/Rock Staining?   |                             |              |
| Orange Water Colorization?  |                             |              |
| Water Samples Collected?  |                             |              |
|   | Yes/No                      | pH result    |
| pH measurement taken?   | NI                          |              |
| South Stormwater Pond   |                             |              |
|   | Yes/No                      | Comments     |
| Vegetation Changes ?  | 9                           | comments     |
| <del>-</del>  | - <del>'</del>              |              |
| <del>-</del>  |                             |              |
|   |                             |              |
| ,   | Yes/No                      | n H rocult   |
| oH measurement taken?   |                             | pH result    |
|   |                             |              |
| West Stormwater Ponds   |                             |              |
| (tation Channes 2   |                             | Comments     |
|   | <u></u>                     |              |
| _   |                             |              |
|   |                             |              |
| vater samples Collected?  |                             |              |
|   |                             |              |
| H measurement taken?  | Yes/No                      | pH result    |

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## Appendix C

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170109 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170109 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170109 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170109 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170109 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | DUP     | 456    | 10   |          | 2   | 20170109 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170117 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170117 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 14.8   | 0.25 | 92       |     | 20170117 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170117 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170118 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170118 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170118 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170118 |
| Conductivity               | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20170118 |
| Fluoride                   | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170118 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170118 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170118 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170118 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170118 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170118 |
| Conductivity               | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20170118 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170118 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170118 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 78     | 5    | 99       |     | 20170118 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.8   | 0.5  | 92       |     | 20170118 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170118 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 242    | 5    | 103      |     | 20170118 |
| Fluoride                    | Water  | METHOD                 | 300        | LCS     | 4.91   | 0.1  | 98       |     | 20170118 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170118 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 7.68   |      | 100      |     | 20170118 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 5.02   | 0.1  | 100      |     | 20170118 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170118 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170118 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | DUP     | 66.6   | 5    |          | <1  | 20170118 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | DUP     | 7.92   |      |          | <1  | 20170118 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DUP     | 44.8   | 4    |          | 6   | 20170118 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <30    | 30   |          |     | 20170118 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170118 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170118 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170118 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170118 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170118 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170118 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170118 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170118 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170118 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170118 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170118 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170118 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170118 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170118 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170118 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170118 |
| Total Chromium              | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170118 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 491    | 30   | 98       |     | 20170118 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170118 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2450   | 50   | 98       |     | 20170118 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12000  | 1000 | 96       |     | 20170118 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170118 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170118 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.5   | 1    | 96       |     | 20170118 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.9   | 2.5  | 100      |     | 20170118 |
| Total Recoverable Cadmium   |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170118 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.9    | 2.5  | 99       |     | 20170118 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12     | 1    | 96       |     | 20170118 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.6   | 0.16 | 99       |     | 20170118 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170118 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 97       |     | 20170118 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.9   | 1    | 102      |     | 20170118 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12     | 0.1  | 96       |     | 20170118 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 2.5  | 95       |     | 20170118 |
| Total Chromium              | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170118 |
|                             | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170118 |
| Sulfate as SO4              | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | MS      | 46.7   | 1    | 93       |     | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | DMS     | 46.5   | 1    | 93       | <1  | 20170118 |
| Mercury Total               | Water  | METHOD                 | 1631       | QCS     | 4.5    | 0.5  | 90       |     | 20170118 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170116 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.4   | 0.5  | 95       |     | 20170116 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.61   | 0.1  |          | <1  | 20170116 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 3.58   | 0.1  | 99       |     | 20170116 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.59   | 0.1  | 99       | <1  | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170110 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170110 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.8   | 0.5  | 92       |     | 20170116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170113 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | МВ      | <4.0   | 4    |          |     | 20170113 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170113 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | МВ      | <10    | 10   |          |     | 20170113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 447    | 10   |          | 2   | 20170113 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.9   | 0.5  | 92       |     | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.45   | 0.1  |          | 2   | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.44   | 0.1  | 98       |     | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.41   | 0.1  | 97       | 1   | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | МВ      | <0.10  | 0.1  |          |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | МВ      | <0.050 | 0.05 |          |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | МВ      | <0.10  | 0.1  |          |     | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.9   | 0.5  | 92       |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.59   | 0.1  | 101      |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.72   | 0.1  |          | 10  | 20170131 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170131 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170131 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170131 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 100      |     | 20170131 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170131 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170131 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 0.16 | 104      |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 1    | 102      |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 1    | 99       |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 2.5  | 96       |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170131 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.9   | 0.5  | 92       |     | 20170131 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170131 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.59   | 0.1  | 101      |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170131 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 100      |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 0.05 | 103      |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170131 |

| Analyte                    | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 0.16 | 104      |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 1    | 102      |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.9   | 1    | 106      |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 0.1  | 101      |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 2.5  | 96       |     | 20170131 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 58     | 50   |          | 4   | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 1    |          | 1   | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.3   | 0.05 |          | 1   | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.3    | 1    |          | 1   | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1040   | 50   | 98       |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 102    | 1    | 96       |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 119    | 0.05 | 103      |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 1    | 100      |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.7   | 0.16 | 99       |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 33.4   | 1    | 101      |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.3   | 1    | 97       |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.9   | 1    | 106      |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 0.1  | 96       |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.6   | 2.5  | 94       |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MS      | 46.4   | 1    | 93       |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | DMS     | 46.2   | 1    | 92       | <1  | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 4.72   | 0.5  | 94       |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 258    | 1    |          |     | 20170131 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 262    | 1    |          |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | <1     | 1    |          |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 264    | 1    |          | <1  | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.9   | 0.5  | 92       |     | 20170131 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170131 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20170131 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.59   | 0.1  | 101      |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170131 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 100      |     | 20170131 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 0.05 | 103      |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 0.16 | 104      |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 1    | 102      |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 1    | 99       |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 1    | 106      |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 0.1  | 101      |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 2.5  | 96       |     | 20170131 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 58     | 50   |          | 4   | 20170131 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 1    |          | 1   | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.3   | 0.05 |          | 1   | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.3    | 1    |          | 1   | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170131 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1040   | 50   | 98       |     | 20170131 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 102    | 1    | 96       |     | 20170131 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 119    | 0.05 | 103      |     | 20170131 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20170131 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 1    | 100      |     | 20170131 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.7   | 0.16 | 99       |     | 20170131 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 33.4   | 1    | 101      |     | 20170131 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.3   | 1    | 97       |     | 20170131 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.9   | 1    | 106      |     | 20170131 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 0.1  | 96       |     | 20170131 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.6   | 2.5  | 94       |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | MS      | 46.4   | 1    | 93       |     | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | DMS     | 46.2   | 1    | 92       | <1  | 20170131 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 4.72   | 0.5  | 94       |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 258    | 1    |          |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 262    | 1    |          |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | <1     | 1    |          |     | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 264    | 1    |          | <1  | 20170131 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 264    | 1    |          | <1  | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <1.0   | 1    |          |     | 20170116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21.3   | 1    | 99       |     | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.2   | 1    | 99       | <1  | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21.3   | 1    | 99       |     | 20170116 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.2   | 1    | 99       | <1  | 20170116 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170131 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170131 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170131 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170131 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170131 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170131 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 23.7   | 0.5  | 99       |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 115    | 5    | 95       |     | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170131 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20170131 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.98   | 0.2  | 105      |     | 20170131 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | LCS     | 9.15   | 0.1  | 106      |     | 20170131 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 118    | 5    | 98       |     | 20170131 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | LCS     | 4140   | 110  | 100      |     | 20170131 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | DLCS    | 4010   | 110  | 97       | 3   | 20170131 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.61   | 0.1  |          | 1   | 20170131 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 4.21   | 0.5  |          | 1   | 20170131 |
|                            | Water  | NONE                   | 5220-C     | DUP     | 9      | 5    |          | 10  | 20170131 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 3.92   | 0.5  |          | 4   | 20170131 |
| Nitrate as N               | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          |     | 20170131 |
| Nitrite as N               | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          |     | 20170131 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 3.07   | 0.5  |          | 2   | 20170131 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.02    | 0.5  |          | 4   | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 4.72    | 0.1  | 103      |     | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 30.1    | 0.5  | 103      |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MS      | 113     | 13   | 103      |     | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | MS      | 3.89    | 0.1  | 97       |     | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | MS      | 3.77    | 0.1  | 94       |     | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.66    | 0.1  | 100      | 3   | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DMS     | 115     | 13   | 105      | 2   | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | DMS     | 3.95    | 0.1  | 99       | 1   | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | DMS     | 3.82    | 0.1  | 96       | 1   | 20170131 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20170131 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40     | 40   |          |     | 20170131 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300   | 1000 | 99       |     | 20170131 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9650    | 40   | 96       |     | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50   | 0.5  |          |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0    | 5    |          |     | 20170131 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.80   | 0.8  |          |     | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050  | 0.05 |          |     | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170131 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20   | 0.2  |          |     | 20170131 |
| Total Recoverable Phosphor  |        | METHOD                 | 365.3      | MB      | <0.010  | 0.01 |          |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0    | 5    |          |     | 20170131 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.80   | 0.8  |          |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0    | 5    |          |     | 20170131 |
| , ,                         | Water  | NONE                   | 5220-C     | MB      | <5.0    | 5    |          |     | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7    | 0.5  | 91       |     | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 23.7    | 0.5  | 99       |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 115     | 5    | 95       |     | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.39    | 0.05 | 96       |     | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | LCS     | 2.31    | 0.05 | 92       |     | 20170131 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.98    | 0.2  | 105      |     | 20170131 |
| Total Recoverable Phosphor  |        | METHOD                 | 365.3      | LCS     | 9.15    | 0.1  | 106      |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 118     | 5    | 98       |     | 20170131 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 4140    | 110  | 100      |     | 20170131 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 4010    | 110  | 97       | 3   | 20170131 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.61   | 0.1  |          | 1   | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 4.21   | 0.5  |          | 1   | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DUP     | 9      | 5    |          | 10  | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.92   | 0.5  |          | 4   | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          |     | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          |     | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.07   | 0.5  |          | 2   | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.02   | 0.5  |          | 4   | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 4.72   | 0.1  | 103      |     | 20170131 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 30.1   | 0.5  | 103      |     | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MS      | 113    | 13   | 103      |     | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | MS      | 3.89   | 0.1  | 97       |     | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | MS      | 3.77   | 0.1  | 94       |     | 20170131 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.66   | 0.1  | 100      | 3   | 20170131 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DMS     | 115    | 13   | 105      | 2   | 20170131 |
| Nitrate as N                | Water  | METHOD                 | 300        | DMS     | 3.95   | 0.1  | 99       | 1   | 20170131 |
| Nitrite as N                | Water  | METHOD                 | 300        | DMS     | 3.82   | 0.1  | 96       | 1   | 20170131 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170131 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170131 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 99       |     | 20170131 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9650   | 40   | 96       |     | 20170131 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170227 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170227 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 99       |     | 20170227 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9650   | 40   | 96       |     | 20170227 |
| Total Recoverable Phosphor  |        | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170227 |
| Total Recoverable Phosphor  | Water  | METHOD                 | 365.3      | LCS     | 8.82   | 0    | 102      |     | 20170227 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 21.3   | 1    | 99       |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DLCS    | 21.2   | 1    | 99       | <1  | 20170116 |
|                             | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 21.3   | 1    | 99       |     | 20170116 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DLCS    | 21.2   | 1    | 99       | <1  | 20170116 |

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170126 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170126 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170126 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Color                      | Water  | NONE   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | LCS     | 78     | 5    | 99       |     | 20170215 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170215 |
| Chloride                   | Water  | METHOD | 300        | LCS     | 4.8    | 1    | 97       |     | 20170215 |
| Color                      | Water  | NONE   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170215 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Sulfate                    | Water  | METHOD | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170215 |
| Chloride                   | Water  | METHOD | 300        | DUP     | <1.0   | 1    |          | NC  | 20170215 |
| Nitrate as N               | Water  | METHOD | 300        | DUP     | 0.201  | 0.05 |          | <1  | 20170215 |
| Sulfate                    | Water  | METHOD | 300        | DUP     | 2.24   | 0.1  |          | 2   | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | DUP     | 17     | 5    |          | <1  | 20170215 |
| Chloride                   | Water  | METHOD | 300        | MS      | 4.3    | 2    | 108      |     | 20170215 |
| Nitrate as N               | Water  | METHOD | 300        | MS      | 4.11   | 0.1  | 98       |     | 20170215 |
| Sulfate                    | Water  | METHOD | 300        | MS      | 6.26   | 0.2  | 99       |     | 20170215 |
| Chloride                   | Water  | METHOD | 300        | DMS     | 4.3    | 2    | 108      | <1  | 20170215 |
| Nitrate as N               | Water  | METHOD | 300        | DMS     | 4.15   | 0.1  | 99       | <1  | 20170215 |
| Sulfate                    | Water  | METHOD | 300        | DMS     | 6.28   | 0.2  | 100      | <1  | 20170215 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 100    | 1    | 100      |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.9   | 2.5  | 104      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.4   | 0.1  | 106      |     | 20170215 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 0.16 | 104      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 1    | 102      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.9   | 1    | 106      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 0.1  | 101      |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 2.5  | 96       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1010   | 50   | 101      |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 10.1   | 2.5  | 101      |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MS      | 50.3   | 1    | 101      |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | DMS     | 50     | 1    | 100      | <1  | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.24   | 0.5  | 105      |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 17.6   | 1    |          | <1  | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 78     | 5    | 99       |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170215 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.1  | 106      |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 10.4   | 2.5  | 104      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 100      |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 1    | 103      |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 1    | 100      |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.6   | 1    | 107      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 0.1  | 101      |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Dissolved Mercury          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Dissolved Mercury          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Dissolved Mercury          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.08   | 0.5  | 102      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 242    | 5    | 103      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20170215 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 722    | 10   |          | <1  | 20170215 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 8.03   |      |          | <1  | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Conductivity               |        | NONE                   | 2510       | DUP     | 283    | 5    |          | <1  | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-À     | MB      | <0.20  | 0.2  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4860   | 10   | 97       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 100      |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 1    | 103      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 1    | 99       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.6   | 1    | 107      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 0.1  | 101      |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.88   | 0.2  | 98       |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MS      | 5.09   | 0.2  | 102      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Total Dissolved Solids     | Aqueou | NONE                   | 2540-C     | MB      | <5.0   | 5    |          |     | 20170215 |
| Ammonia as N               | Aqueou | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Nitrate as N               | Aqueou | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Aqueou | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Ammonia as N               | Aqueou | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Total Dissolved Solids     | Aqueou | NONE                   | 2540-C     | LCS     | 1630   | 5    | 99       |     | 20170215 |

| Analyte                    | Matrix  | Prep      | Method     | QC Type | Result   | MRL    | Recovery | RPD | Date     |
|----------------------------|---------|-----------|------------|---------|----------|--------|----------|-----|----------|
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | LCS     | 15.2     | 0.25   | 94       |     | 20170215 |
| Nitrate as N               | Aqueou  | METHOD    | 300        | LCS     | 2.38     | 0.05   | 95       |     | 20170215 |
| pH lab                     | Aqueou  | NONE      | 4500-H-B   | LCS     | 7.65     |        | 99       |     | 20170215 |
| Sulfate                    | Aqueou  | METHOD    | 300        | LCS     | 4.99     | 0.1    | 100      |     | 20170215 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | DUP     | 44       | 5      |          | 2   | 20170215 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | MB      | 0.021    | 0.01   |          |     | 20170215 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | MB      | <0.020   | 0.02   |          |     | 20170215 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | MB      | <0.010   | 0.01   |          |     | 20170215 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020       | MB      | <0.0050  | 0.005  |          |     | 20170215 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Chromium             | Sludge, | EPA 3020A | 6020       | MB      | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020       | MB      | <0.0010  | 0.001  |          |     | 20170215 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020       | MB      | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020       | MB      | <0.010   | 0.01   |          |     | 20170215 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020       | MB      | <0.0050  | 0.005  |          |     | 20170215 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020       | MB      | <0.0050  | 0.005  |          |     | 20170215 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Chromium             |         | EPA 3020A | 6020       | MB      | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Copper   |         | EPA 3020A | 6020       | MB      | <0.0010  | 0.001  |          |     | 20170215 |
| Total Recoverable Lead     |         | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020       | MB      | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020       | MB      | <0.010   | 0.01   |          |     | 20170215 |
| Total Recoverable Silver   |         | EPA 3020A | 6020       | MB      | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020       | MB      | <0.0050  | 0.005  |          |     | 20170215 |
| Mercury Total              | Sludge, | METHOD    | 7470-A     | MB      | <0.0010  | 0.001  |          |     | 20170215 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | LCS     | 9.06     | 0.01   | 91       |     | 20170215 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | LCS     | 4.82     | 0.02   | 96       |     | 20170215 |
| Total Recoverable Mangane  |         |           | 6010-C     | LCS     | 2.28     | 0.01   | 91       |     | 20170215 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020       | LCS     | 0.472    | 0.005  | 94       |     | 20170215 |
| Total Recoverable Cadmium  |         |           | 6020       | LCS     | 0.233    | 0.0002 | 93       |     | 20170215 |
| Total Chromium             | Sludge, | EPA 3020A | 6020       | LCS     | 0.0938   | 0.002  | 94       |     | 20170215 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020       | LCS     | 0.115    | 0.001  | 92       |     | 20170215 |
| Total Recoverable Lead     |         | EPA 3020A | 6020       | LCS     | 0.472    | 0.0002 | 94       |     | 20170215 |
| Total Recoverable Nickel   | Sludge. | EPA 3020A | 6020       | LCS     | 0.232    | 0.002  | 93       |     | 20170215 |

| Analyte                    | Matrix  | Prep      | Method     | QC Type | Result   | MRL    | Recovery | RPD | Date     |
|----------------------------|---------|-----------|------------|---------|----------|--------|----------|-----|----------|
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020       | LCS     | 0.466    | 0.01   | 93       |     | 20170215 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020       | LCS     | 0.113    | 0.0002 | 91       |     | 20170215 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020       | LCS     | 0.217    | 0.005  | 87       |     | 20170215 |
| Mercury Total              | Sludge, | METHOD    | 7470-A     | LCS     | 0.0049   | 0.001  | 99       |     | 20170215 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | DUP     | 0.47     | 0.01   |          | 8   | 20170215 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | DUP     | 0.344    | 0.02   |          | 2   | 20170215 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | DUP     | <0.010   | 0.01   |          |     | 20170215 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020       | DUP     | <0.0050  | 0.005  |          |     | 20170215 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020       | DUP     | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Chromium             | Sludge, | EPA 3020A | 6020       | DUP     | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020       | DUP     | 0.0017   | 0.001  |          | 4   | 20170215 |
| Total Recoverable Lead     |         | EPA 3020A | 6020       | DUP     | 0.00027  | 0.0002 |          | 2   | 20170215 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020       | DUP     | <0.0020  | 0.002  |          |     | 20170215 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020       | DUP     | <0.010   | 0.01   |          |     | 20170215 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020       | DUP     | <0.00020 | 0.0002 |          |     | 20170215 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020       | DUP     | <0.0050  | 0.005  |          |     | 20170215 |
| Mercury Total              | Sludge, | METHOD    | 7470-A     | DUP     | <0.0010  | 0.001  |          |     | 20170215 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | MS      | 9.33     | 0.01   | 89       |     | 20170215 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | MS      | 5.08     | 0.02   | 95       |     | 20170215 |
| Total Recoverable Mangane  |         |           | 6010-C     | MS      | 2.28     | 0.01   | 91       |     | 20170215 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020       | MS      | 0.478    | 0.005  | 96       |     | 20170215 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020       | MS      | 0.236    | 0.0002 | 94       |     | 20170215 |
| Total Chromium             | Sludge, | EPA 3020A | 6020       | MS      | 0.094    | 0.002  | 94       |     | 20170215 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020       | MS      | 0.118    | 0.001  | 93       |     | 20170215 |
| Total Recoverable Lead     |         | EPA 3020A | 6020       | MS      | 0.475    | 0.0002 | 95       |     | 20170215 |
| Total Recoverable Nickel   |         | EPA 3020A | 6020       | MS      | 0.234    | 0.002  | 93       |     | 20170215 |
| Total Recoverable Selenium |         |           | 6020       | MS      | 0.475    | 0.01   | 95       |     | 20170215 |
| Total Recoverable Silver   | )       | EPA 3020A | 6020       | MS      | 0.114    | 0.0002 | 91       |     | 20170215 |
| Total Recoverable Zinc     |         | EPA 3020A | 6020       | MS      | 0.223    | 0.005  | 89       |     | 20170215 |
| Mercury Total              | Sludge, | METHOD    | 7470-A     | MS      | 0.0051   | 0.001  | 102      |     | 20170215 |
| Hardness, Total            | Aqueou  |           | 2340-B     | DUP     | 25.5     | 1      |          | 4   | 20170215 |
| Total Dissolved Solids     | Water   |           | 2540-C     | MB      | <10      | 10     |          |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water   | NONE      | 2320-B     | MB      | <5.0     | 5      |          |     | 20170215 |
| Ammonia as N               | Water   | METHOD    | 4500-NH3 G | MB      | <0.10    | 0.1    |          |     | 20170215 |
| Chloride                   | Water   | METHOD    | 300        | MB      | <1.0     | 1      |          |     | 20170215 |
| Color                      | Water   | NONE      | 2120-B     | MB      | <5.0     | 5      |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170215 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 78     | 5    | 99       |     | 20170215 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170215 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170215 |
|                            | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.04   | 0.1  | 101      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.48   | 0.1  | 100      |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 95       |     | 20170215 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | DUP     | 1.2    | 1    |          | <1  | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          | NC  | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 2.99   | 0.1  |          | 2   | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MS      | 4.9    | 2    | 94       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MS      | 3.98   | 0.1  | 99       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 6.99   | 0.2  | 98       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | DMS     | 5      | 2    | 95       | <1  | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | DMS     | 4.01   | 0.1  | 100      | <1  | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 7.04   | 0.2  | 99       | <1  | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |

| Analyte                    | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 20   | 98       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 86.4   | 1    | 86       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.3   | 2.5  | 93       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 0.1  | 93       |     | 20170215 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.3    | 2.5  | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.3   | 0.16 | 93       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.6   | 1    | 90       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.4   | 1    | 90       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.4   | 1    | 93       |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.1   | 0.1  | 89       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.4   | 2.5  | 86       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 91700  | 20   |          | 1   | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 53     | 50   |          | 4   | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.1   | 1    |          | <1  | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Chromiur |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.4    | 1    |          | 6   | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 103000 | 20   | 121      |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1100   | 50   | 104      |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 103    | 1    | 90       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.1   | 2.5  | 100      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 0.1  | 96       |     | 20170215 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 1    | 98       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.9   | 0.16 | 94       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 32.3   | 1    | 94       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.5   | 1    | 94       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.5   | 1    | 99       |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.5   | 0.1  | 92       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 2.5  | 92       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.4   | 2.5  | 104      |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MS      | 52.6   | 1    | 103      |     | 20170215 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | DMS     | 51.2   | 1    | 100      | 3   | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.08   | 0.5  | 102      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 250    | 1    |          | <1  | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 95       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 244    | 5    | 104      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20170215 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.04   | 0.1  | 101      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.48   | 0.1  | 100      |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 511    | 10   |          | <1  | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 742    | 5    |          | <1  | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.01   | 0.1  | 101      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2      | 0.1  | 100      | <1  | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.88   | 0.2  | 98       |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5030   | 50   | 101      |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.3   | 2.5  | 93       |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.3   | 0.16 | 93       |     | 20170215 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.6   | 1    | 90       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.4   | 1    | 90       |     | 20170215 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.4   | 1    | 93       |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.1   | 0.1  | 89       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.4   | 2.5  | 86       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 230    | 10   |          | 3   | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 1340   | 50   |          | 1   | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 2260   | 50   | 102      |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 2360   | 50   | 103      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 372    | 1    |          | <1  | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170117 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170117 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170130 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 95       |     | 20170130 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 440    | 10   |          | <1  | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170123 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170123 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
|                            |        | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.2   | 0.5  | 94       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.02   | 0.1  | 100      |     | 20170215 |
|                            | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 450    | 10   |          | 2   | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 99       |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 86.4   | 1    | 86       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 0.02 | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.3   | 0.16 | 93       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.6   | 1    | 90       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.4   | 1    | 90       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.4   | 2.5  | 86       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.9   | 1    | 96       |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 0.05 | 103      |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26     | 0.02 | 104      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 99       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.2   | 0.16 | 100      |     | 20170215 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 1    | 101      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.6   | 1    | 97       |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 2.5  | 94       |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12.9   | 1    |          | 2   | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 36     | 1    |          | 5   | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.9    | 1    |          | 2   | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15.9   | 0.05 |          | <1  | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | -      | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 23.7   | 1    |          | <1  | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 97.2   | 1    | 84       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.2   | 0.02 | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 1    | 94       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 45.2   | 0.16 | 90       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 58.5   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23     | 1    | 92       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 21.5   | 2.5  | 86       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 108    | 1    | 100      |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 122    | 0.05 | 107      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 104      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.1   | 1    | 105      |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.3   | 0.16 | 101      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.7   | 1    | 104      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 1    | 103      |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.4   | 1    | 105      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 0.1  | 100      |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.7   | 2.5  | 95       |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.15   | 0.5  | 103      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170215 |
|                            |        | METHOD                 | 4500-NH3 G | LCS     | 15.2   | 0.5  | 94       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.02   | 0.1  | 100      |     | 20170215 |
|                            | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 450    | 10   |          | 2   | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 99       |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 86.4   | 1    | 86       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 0.02 | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.3   | 0.16 | 93       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.6   | 1    | 90       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.4   | 1    | 90       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.4   | 2.5  | 86       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.9   | 1    | 96       |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 0.05 | 103      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26     | 0.02 | 104      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 99       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.2   | 0.16 | 100      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 1    | 101      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.6   | 1    | 97       |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 2.5  | 94       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12.9   | 1    |          | 2   | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 36     | 1    |          | 5   | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.9    | 1    |          | 2   | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15.9   | 0.05 |          | <1  | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 23.7   | 1    |          | <1  | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 97.2   | 1    | 84       |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.2   | 0.02 | 93       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 1    | 94       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 45.2   | 0.16 | 90       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 58.5   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23     | 1    | 92       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 21.5   | 2.5  | 86       |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 108    | 1    | 100      |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 122    | 0.05 | 107      |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 104      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.1   | 1    | 105      |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.3   | 0.16 | 101      |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.7   | 1    | 104      |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 1    | 103      |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.4   | 1    | 105      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 0.1  | 100      |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.7   | 2.5  | 95       |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.15   | 0.5  | 103      |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.2   | 0.5  | 94       |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.58   | 0.1  |          | 1   | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.6    | 0.1  | 102      |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.57   | 0.1  | 101      | <1  | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170206 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170206 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.2   | 0.5  | 94       |     | 20170206 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170206 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170206 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170206 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170206 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170206 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170206 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170206 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170206 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170206 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170206 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170206 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170206 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170206 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170206 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170206 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 99       |     | 20170206 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 101      |     | 20170206 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 86.4   | 1    | 86       |     | 20170206 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170206 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170206 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.3   | 0.16 | 93       |     | 20170206 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.6   | 1    | 90       |     | 20170206 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.4   | 1    | 90       |     | 20170206 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.4   | 2.5  | 86       |     | 20170206 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170206 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170206 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170124 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170124 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170124 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170124 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170124 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170124 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170124 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170202 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170202 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170126 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170126 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170126 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170126 |
|                            | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170126 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170202 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 94       |     | 20170202 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.35   | 0.1  |          | 2   | 20170202 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.36   | 0.1  | 103      |     | 20170202 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.36   | 0.1  | 102      | <1  | 20170202 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170126 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 408    | 10   |          | <1  | 20170126 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 94       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.83   | 0.1  | 105      |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2450   | 50   | 98       |     | 20170215 |
| Total Recoverable Magnesi  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11900  | 1000 | 95       |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12100  | 1000 | 96       |     | 20170215 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.9   | 1    | 94       |     | 20170215 |
| Total Recoverable Cadmiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.9   | 0.02 | 100      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 97       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 0.16 | 98       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 1    | 96       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.7   | 2.5  | 91       |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 59700  | 1000 |          | 2   | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 148    | 50   |          | <1  | 20170215 |
| Total Recoverable Magnesi  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 5100   | 1000 |          | 2   | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 43100  | 1000 |          | 2   | 20170215 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.8   | 1    |          | 1   | 20170215 |
| Total Recoverable Cadmiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 27.4   | 1    |          | 2   | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 68500  | 1000 | 74       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1160   | 50   | 101      |     | 20170215 |
| Total Recoverable Magnesii |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14800  | 1000 | 96       |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 50300  | 1000 | 79       |     | 20170215 |
| Total Recoverable Aluminur |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 101    | 1    | 88       |     | 20170215 |
| Total Recoverable Cadmiun  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.4   | 0.02 | 98       |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.8   | 1    | 94       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.3   | 0.16 | 95       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.7   | 1    | 83       |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 1    | 93       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.3   | 2.5  | 89       |     | 20170215 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170215 |
|                            | Water  | NONE                   | 200.7 (W)  | DUP     | 110    | 1    |          | <1  | 20170215 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
|                            | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 94       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.83   | 0.1  | 105      |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
|                            | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2450   | 50   | 98       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.9   | 1    | 94       |     | 20170215 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98.9   | 0.05 | 99       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 0.02 | 100      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 1    | 96       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.2   | 1    | 100      |     | 20170215 |

| Analyte                  | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|--------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 0.1  | 96       |     | 20170215 |
| Total Recoverable Zinc   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 2.5  | 91       |     | 20170215 |
| Total Chromium           | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170215 |
| Total Chromium           | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium           | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | MS      | 49.4   | 1    | 99       |     | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | DMS     | 50.1   | 1    | 100      | 1   | 20170215 |
| Mercury Total            | Water  | METHOD                 | 1631       | QCS     | 5.15   | 0.5  | 103      |     | 20170215 |
| Hardness, Total          | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170127 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170127 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170127 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170127 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170127 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 94       |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.51   | 0.1  |          | <1  | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MS      | 3.56   | 0.1  | 103      |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.53   | 0.1  | 101      | 2   | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 94       |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.51   | 0.1  |          | <1  | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MS      | 3.56   | 0.1  | 103      |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.53   | 0.1  | 101      | 2   | 20170215 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Chloride                 | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
| Conductivity             | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N             | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Nitrite as N             | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                  | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.6   | 0.5  | 90       |     | 20170215 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 254    | 5    | 109      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170215 |
|                            | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170215 |
|                            | Water  | METHOD                 | 300        | LCS     | 5      | 0.1  | 100      |     | 20170215 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170215 |
|                            | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.12   | 0.1  | 106      |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.1    | 0.1  | 105      | <1  | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.74   | 0.2  | 95       |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4820   | 10   | 96       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2450   | 50   | 98       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.4   | 2.5  | 97       |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 0.02 | 100      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 1    | 96       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.2   | 1    | 100      |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 0.1  | 96       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 2.5  | 91       |     | 20170215 |
|                            | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170215 |
|                            | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MS      | 4.31   | 0.2  | 86       |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170201 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170201 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.6   | 0.5  | 90       |     | 20170206 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.6   | 0.5  | 90       |     | 20170206 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.6   | 0.5  | 90       |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170215 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD  | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|------|----------|
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |      | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2450   | 50   | 98       |      | 20170215 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11900  | 1000 | 95       |      | 20170215 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12100  | 1000 | 96       |      | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.9   | 1    | 94       |      | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.9   | 0.02 | 100      |      | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 97       |      | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 0.16 | 98       |      | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |      | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 1    | 96       |      | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.7   | 2.5  | 91       |      | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |      | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 82.4   | 1    |          | 4    | 20170215 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |      | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |      | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 223    | 1    |          | 3    | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |      | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |      | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |      | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | MS      | 48.5   | 1    | 97       |      | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | DMS     | 47.3   | 1    | 94.6     | 2.51 | 20170215 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.07   | 0.5  | 101      |      | 20170215 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 428    | 20   | 100      |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC   | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 428    | 20   | 100      |      | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC   | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |      | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |      | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1640   | 10   | 100      |      | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |      | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |      | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1640   | 10   | 100      |      | 20170206 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 454    | 10   |          | 1   | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 454    | 10   |          | 1   | 20170206 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170206 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170206 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170215 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170215 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170215 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 254    | 5    | 109      |     | 20170215 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170215 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170215 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.68   |      | 100      |     | 20170215 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.99   | 0.1  | 100      |     | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170215 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 668    | 10   |          | <1  | 20170215 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 968    | 5    |          | <1  | 20170215 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 26.4   | 0.1  |          | <1  | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170215 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170215 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170215 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.74   | 0.2  | 95       |     | 20170215 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4820   | 10   | 96       |     | 20170215 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2450   | 50   | 98       |     | 20170215 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.4   | 2.5  | 97       |     | 20170215 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 0.02 | 100      |     | 20170215 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170215 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170215 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 1    | 96       |     | 20170215 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.2   | 1    | 100      |     | 20170215 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 0.1  | 96       |     | 20170215 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 2.5  | 91       |     | 20170215 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170215 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170215 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170214 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.9   | 0.5  | 92       |     | 20170214 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.86   | 0.1  |          | <1  | 20170214 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 4.03   | 0.1  | 109      |     | 20170214 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.97   | 0.1  | 107      | 2   | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170206 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170208 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170213 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170208 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21     | 20   | 100      |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21     | 20   | 99       | <1  | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21     | 20   | 100      |     | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21     | 20   | 99       | <1  | 20170208 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170208 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170213 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 14.7   | 0.5  | 91       |     | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170209 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170209 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170209 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170209 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170209 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170221 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.6   | 0.5  | 109      |     | 20170221 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170221 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170301 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170301 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170301 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170301 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170301 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.5   | 0.5  | 108      |     | 20170301 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170301 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170301 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 561    | 10   |          | 2   | 20170301 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170301 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170301 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170301 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170301 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170301 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170301 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170301 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170301 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170301 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.0   | 2    |          |     | 20170301 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170301 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170301 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170301 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170301 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2560   | 50   | 103      |     | 20170301 |
| Total Recoverable Magnesiι | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 106      |     | 20170301 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13400  | 1000 | 107      |     | 20170301 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 85     | 1    | 85       |     | 20170301 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 2.5  | 96       |     | 20170301 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170301 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.1   | 1    | 89       |     | 20170301 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.5   | 0.16 | 93       |     | 20170301 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 1    | 91       |     | 20170301 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 2    | 93       |     | 20170301 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170301 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.2   | 0.1  | 89       |     | 20170301 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.7   | 2.5  | 87       |     | 20170301 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170301 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170301 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170301 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170301 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170301 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170301 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170301 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.6   | 0.5  | 109      |     | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.46   | 0.1  |          | 5   | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.4    | 0.1  | 101      |     | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.4    | 0.1  | 100      | <1  | 20170221 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170209 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170209 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 423    | 10   |          | 2   | 20170209 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170227 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170227 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170227 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170227 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170227 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170227 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.6   | 0.5  | 109      |     | 20170227 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170227 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170227 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170227 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 23.6   | 4    |          | 2   | 20170227 |
| Total Recoverable Calcium  |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170227 |
| Total Recoverable Iron     |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170227 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170227 |
| Total Recoverable Sodium   |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170227 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170227 |
| Total Recoverable Arsenic  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170227 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170227 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170227 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170227 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170227 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170227 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | 1.2    | 1    |          |     | 20170227 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170227 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170227 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170227 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | МВ      | <2.5   | 2.5  |          |     | 20170227 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170227 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2560   | 50   | 103      |     | 20170227 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 106      |     | 20170227 |
| Total Recoverable Sodium   |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13400  | 1000 | 107      |     | 20170227 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 85     | 1    | 85       |     | 20170227 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 2.5  | 96       |     | 20170227 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170227 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.1    | 2.5  | 91       |     | 20170227 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.1   | 1    | 89       |     | 20170227 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.5   | 0.16 | 93       |     | 20170227 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 1    | 91       |     | 20170227 |
| Total Recoverable Nickel   |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 1    | 93       |     | 20170227 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170227 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.2   | 0.1  | 89       |     | 20170227 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.7   | 2.5  | 87       |     | 20170227 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170227 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170227 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170227 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170227 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170227 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170227 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170227 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170209 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170209 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.5   | 0.5  | 108      |     | 20170223 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20170223 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170223 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170223 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170223 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170223 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.0   | 2    |          |     | 20170223 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170223 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2560   | 50   | 103      |     | 20170223 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 106      |     | 20170223 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13400  | 1000 | 107      |     | 20170223 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 85     | 1    | 85       |     | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 2.5  | 96       |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.1   | 1    | 89       |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.5   | 0.16 | 93       |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 2    | 93       |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.2   | 0.1  | 89       |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.7   | 2.5  | 87       |     | 20170223 |
|                            | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170223 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170223 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170223 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170223 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170223 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170223 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.6   | 0.5  | 102      |     | 20170223 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170223 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170223 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170223 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20170223 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170223 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.0   | 2    |          |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2560   | 50   | 103      |     | 20170223 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 85     | 1    | 85       |     | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 2.5  | 96       |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.2   | 0.05 | 95       |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.02 | 96       |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.1   | 1    | 89       |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.5   | 0.16 | 93       |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.3   | 2    | 93       |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.2   | 0.1  | 89       |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.7   | 2.5  | 87       |     | 20170223 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.4    | 2.5  | 94       |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 113    | 50   |          | 5   | 20170223 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 1    |          | 2   | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.2   | 0.05 |          | 3   | 20170223 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.5   | 1    |          | 3   | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.0   | 2    |          |     | 20170223 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1140   | 50   | 102      |     | 20170223 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 83.2   | 1    | 77       |     | 20170223 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 45.9   | 2.5  | 92       |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 106    | 0.05 | 91       |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.6   | 0.02 | 90       |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.6   | 1    | 85       |     | 20170223 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 42.8   | 0.16 | 86       |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 36.5   | 1    | 86       |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20.9   | 2    | 84       |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 43.2   | 1    | 86       |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.4   | 0.1  | 83       |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20.3   | 2.5  | 81       |     | 20170223 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.7   | 1    | 101      |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50     | 1    | 100      | 1   | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.99   | 0.5  | 100      |     | 20170223 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170223 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 240    | 1    |          | 6   | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170223 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170223 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170223 |
|                            | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.6   | 0.5  | 102      |     | 20170223 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170223 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170223 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170223 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170223 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170223 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.0   | 2    |          |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2560   | 50   | 103      |     | 20170223 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 85     | 1    | 85       |     | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 2.5  | 96       |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.2   | 0.05 | 95       |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.02 | 96       |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.1   | 1    | 89       |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.5   | 0.16 | 93       |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.3   | 2    | 93       |     | 20170223 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.7   | 1    | 91       |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.2   | 0.1  | 89       |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.7   | 2.5  | 87       |     | 20170223 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.4    | 2.5  | 94       |     | 20170223 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 113    | 50   |          | 5   | 20170223 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 1    |          | 2   | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.2   | 0.05 |          | 3   | 20170223 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170223 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.5   | 1    |          | 3   | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.0   | 2    |          |     | 20170223 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170223 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 102      |     | 20170223 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 83.2   | 1    | 77       |     | 20170223 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 45.9   | 2.5  | 92       |     | 20170223 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 106    | 0.05 | 91       |     | 20170223 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.6   | 0.02 | 90       |     | 20170223 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.6   | 1    | 85       |     | 20170223 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 42.8   | 0.16 | 86       |     | 20170223 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 36.5   | 1    | 86       |     | 20170223 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20.9   | 2    | 84       |     | 20170223 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 43.2   | 1    | 86       |     | 20170223 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.4   | 0.1  | 83       |     | 20170223 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20.3   | 2.5  | 81       |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.7   | 1    | 101      |     | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50     | 1    | 100      | 1   | 20170223 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.99   | 0.5  | 100      |     | 20170223 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170223 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 240    | 1    |          | 6   | 20170223 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170310 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0    | 106      |     | 20170310 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170213 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170221 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.6   | 0.5  | 102      |     | 20170221 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170214 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170228 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170228 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170228 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <2.0   | 2    |          |     | 20170228 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170228 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170228 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170228 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170228 |
|                            | Water  | NONE                   | 2510       | MB      | <2.0   | 2    |          |     | 20170228 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170228 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.5   | 0.5  | 108      |     | 20170228 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170228 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 237    | 2    | 101      |     | 20170228 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170228 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 94       |     | 20170228 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.62   |      | 99       |     | 20170228 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170228 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20170228 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 374    | 5    |          | 1   | 20170228 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170228 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170228 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170228 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170228 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170228 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170228 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170228 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.0   | 2    |          |     | 20170228 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170228 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170228 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170228 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170228 |
|                            | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170228 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5340   | 10   | 107      |     | 20170228 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2560   | 50   | 103      |     | 20170228 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 2.5  | 96       |     | 20170228 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170228 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.1   | 1    | 89       |     | 20170228 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.5   | 0.16 | 93       |     | 20170228 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.7   | 1    | 91       |     | 20170228 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 2    | 93       |     | 20170228 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170228 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.2   | 0.1  | 89       |     | 20170228 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 21.7   | 2.5  | 87       |     | 20170228 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170228 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.82   | 0.2  | 96       |     | 20170228 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170228 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170222 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.5   | 0.5  | 108      |     | 20170222 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170222 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.5   | 0.5  | 108      |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170216 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170216 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170308 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170308 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170308 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170308 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170308 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170308 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170308 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.97   | 0.1  | 99       |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170308 |
|                            | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170308 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 398    | 10   |          | 1   | 20170308 |
|                            | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170308 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170308 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170308 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170308 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 96       |     | 20170308 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11900  | 1000 | 95       |     | 20170308 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 88.3   | 1    | 88       |     | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.5   | 0.05 | 97       |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170308 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.4   | 0.16 | 95       |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 1    | 93       |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20170308 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 1    | 94       |     | 20170308 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 0.1  | 91       |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.4   | 2.5  | 90       |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.28   | 0.5  | 106      |     | 20170308 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170308 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170308 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170228 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170228 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.23   | 0.1  |          | 1   | 20170228 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.28   | 0.1  | 103      |     | 20170228 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.25   | 0.1  | 101      | 2   | 20170228 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170308 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170308 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170308 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.97   | 0.1  | 99       |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170308 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170308 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2420   | 50   | 97       |     | 20170308 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 88.3   | 1    | 88       |     | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.5   | 0.05 | 97       |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 0.02 | 98       |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.4   | 0.16 | 95       |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.3   | 1    | 93       |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20170308 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.2   | 1    | 94       |     | 20170308 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.4   | 0.1  | 91       |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.4   | 2.5  | 90       |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.4    | 2.5  | 94       |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 95     | 50   |          | 14  | 20170308 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.6    | 1    |          | 6   | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.4   | 0.05 |          | 3   | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.033  | 0.02 |          | NC  | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 18.1   | 1    |          | 3   | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.2    | 1    |          | 6   | 20170308 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1120   | 50   | 101      |     | 20170308 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 96.2   | 1    | 90       |     | 20170308 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 111    | 0.05 | 97       |     | 20170308 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.8   | 0.02 | 95       |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.5   | 1    | 92       |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 45.7   | 0.16 | 91       |     | 20170308 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 41.9   | 1    | 97       |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.4   | 1    | 89       |     | 20170308 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.3   | 1    | 93       |     | 20170308 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11     | 0.1  | 88       |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22     | 2.5  | 88       |     | 20170308 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 10.3   | 2.5  | 103      |     | 20170308 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.2   | 1    | 100      |     | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50.6   | 1    | 101      | 1   | 20170308 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.28   | 0.5  | 106      |     | 20170308 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170308 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 234    | 1    |          | 1   | 20170308 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170308 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170308 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170308 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170308 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170308 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170308 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170308 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170308 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170308 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 96       |     | 20170308 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11900  | 1000 | 95       |     | 20170308 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 88.3   | 1    | 88       |     | 20170308 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170308 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170308 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.4   | 0.16 | 95       |     | 20170308 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.3   | 1    | 93       |     | 20170308 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20170308 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.4   | 2.5  | 90       |     | 20170308 |

| Analyte                    | Matrix | Prep      | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|-----------|------------|---------|---------|------|----------|-----|----------|
| Mercury Total              | Water  | METHOD    | 1631       | MB      | <1      | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD    | 1631       | MB      | <1      | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD    | 1631       | MB      | <1      | 1    |          |     | 20170308 |
| Mercury Total              | Water  | METHOD    | 1631       | QCS     | 5.28    | 0.5  | 106      |     | 20170308 |
| Hardness, Total            | Water  | NONE      | 2340-B     | MB      | <1      | 1    |          |     | 20170308 |
| Sulfate as SO4             | Water  | NONE      | 200.7 (W)  | MB      | <1      | 1    |          |     | 20170308 |
| Total Suspended Solids     | Water  | NONE      | 2540-D     | MB      | <4.0    | 4    |          |     | 20170217 |
| Total Suspended Solids     | Water  | NONE      | 2540-D     | LCS     | 426     | 20   | 99       |     | 20170217 |
| Total Suspended Solids     | Water  | NONE      | 2540-D     | MB      | <4.0    | 4    |          |     | 20170217 |
| Total Suspended Solids     | Water  | NONE      | 2540-D     | LCS     | 426     | 20   | 99       |     | 20170217 |
| Total Suspended Solids     | Water  | NONE      | 2540-D     | DUP     | <4.0    | 4    |          | NC  | 20170217 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170301 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | LCS     | 16.8    | 0.5  | 104      |     | 20170301 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | DUP     | 1.12    | 0.1  |          | 1   | 20170301 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | MS      | 3.17    | 0.1  | 102      |     | 20170301 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | DMS     | 3.16    | 0.1  | 101      | 1   | 20170301 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170223 |
| Total Organic Carbon       | Water  | NONE      | 5310-C     | MB      | <0.50   | 0.5  |          |     | 20170223 |
| Chemical Oxygen Demand     | Water  | NONE      | 5220-C     | MB      | <5.0    | 5    |          |     | 20170223 |
| Chlorophyll A              | Water  | METHOD    | 10200 H    | MB      | <0.80   | 0.8  |          |     | 20170223 |
| Nitrate as N               | Water  | METHOD    | 300        | MB      | < 0.050 | 0.05 |          |     | 20170223 |
| Nitrite as N               | Water  | METHOD    | 300        | MB      | < 0.050 | 0.05 |          |     | 20170223 |
| Nitrogen, Total Kjeldahl   | Water  | D3590-89B | D1426-08B  | MB      | <0.20   | 0.2  |          |     | 20170223 |
| Total Recoverable Phosphor | Water  | METHOD    | 365.3      | MB      | <0.010  | 0.01 |          |     | 20170223 |
| Chemical Oxygen Demand     | Water  | NONE      | 5220-C     | MB      | <5.0    | 5    |          |     | 20170223 |
| Chlorophyll A              | Water  | METHOD    | 10200 H    | MB      | <0.80   | 0.8  |          |     | 20170223 |
| Total Recoverable Phosphor | Water  | METHOD    | 365.3      | MB      | <0.010  | 0.01 |          |     | 20170223 |
| , 0                        | Water  | NONE      | 5220-C     | MB      | <5.0    | 5    |          |     | 20170223 |
| Chemical Oxygen Demand     | Water  | NONE      | 5220-C     | MB      | <5.0    | 5    |          |     | 20170223 |
| Chemical Oxygen Demand     | Water  | NONE      | 5220-C     | MB      | <5.0    | 5    |          |     | 20170223 |
| Ammonia as N               | Water  | METHOD    | 4500-NH3 G | LCS     | 16.8    | 0.5  | 104      |     | 20170223 |
| Total Organic Carbon       | Water  | NONE      | 5310-C     | LCS     | 22.8    | 0.5  | 95       |     | 20170223 |
| Chemical Oxygen Demand     | Water  | NONE      | 5220-C     | LCS     | 116     | 5    | 96       |     | 20170223 |
| Nitrate as N               | Water  | METHOD    | 300        | LCS     | 2.4     | 0.05 | 96       |     | 20170223 |
| Nitrite as N               | Water  | METHOD    | 300        | LCS     | 2.34    | 0.05 | 94       |     | 20170223 |
| Nitrogen, Total Kjeldahl   | Water  | D3590-89B | D1426-08B  | LCS     | 2.76    | 0.2  | 97       |     | 20170223 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Phosphor  | Water  | METHOD                 | 365.3      | LCS     | 8.83   | 0.1  | 102      |     | 20170223 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 111    | 5    | 92       |     | 20170223 |
| Total Recoverable Phosphor  | Water  | METHOD                 | 365.3      | LCS     | 8.82   | 0.1  | 102      |     | 20170223 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 112    | 5    | 93       |     | 20170223 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 4380   | 110  | 104      |     | 20170223 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 4320   | 110  | 103      | 1   | 20170223 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170309 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170309 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11800  | 1000 | 94       |     | 20170309 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9960   | 40   | 100      |     | 20170309 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 25900  | 1000 |          | 1   | 20170309 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 126000 | 40   |          | 1   | 20170309 |
| Total Recoverable Potassiur |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 29500  | 1000 | 38       |     | 20170309 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 109000 | 40   | -188     |     | 20170309 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170314 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Chloride                    | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170314 |
| Color                       | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170314 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170314 |
| Sulfate                     | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170314 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 77.4   | 5    | 98       |     | 20170314 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.8   | 0.5  | 104      |     | 20170314 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.81   | 1    | 96       |     | 20170314 |
| Color                       | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170314 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170314 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20170314 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.52   | 0.1  | 100      |     | 20170314 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170314 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 20.9   | 1    | 97       |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170314 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 30     | 5    |          | 2   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.51   | 0.1  |          | 6   | 20170314 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 50     | 5    |          | 1   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.47   | 0.1  | 97       |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.45   | 0.1  | 95       | 2   | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2640   | 50   | 106      |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.6   | 2.5  | 93       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.1  | 96       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.6    | 2.5  | 96       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 1    | 94       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 1    | 94       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.6   | 1    | 93       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 0.1  | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.6   | 2.5  | 94       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.2    | 2.5  | 92       |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 28700  | 1000 |          | 2   | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 168    | 50   |          | 4   | 20170314 |

| Analyte                    | Matrix | •                      | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 66.5   | 1    |          | 3   | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15     | 1    |          | 3   | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 38500  | 1000 | 102      |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 100      |     | 20170314 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 158    | 1    | 89       |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.9   | 2.5  | 98       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.3   | 0.1  | 96       |     | 20170314 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 9.8    | 2.5  | 98       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.3   | 1    | 99       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.5   | 0.16 | 94       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 38.5   | 1    | 92       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.3   | 1    | 93       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.3   | 1    | 94       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.6   | 0.1  | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 2.5  | 99       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 9.7    | 2.5  | 97       |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MS      | 53.3   | 1    | 100      |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | DMS     | 52.4   | 1    | 98       | 2   | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 4.91   | 0.5  | 98       |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 79.1   | 1    |          | 2   | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170314 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B    | MB      | <5.0   | 5    |          |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170314 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170314 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170314 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170314 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 77.4   | 5    | 98       |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.8   | 0.5  | 104      |     | 20170314 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.81   | 1    | 96       |     | 20170314 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170314 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170314 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20170314 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.52   | 0.1  | 100      |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 20.9   | 1    | 97       |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170314 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 30     | 5    |          | 2   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.51   | 0.1  |          | 6   | 20170314 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 50     | 5    |          | 1   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.47   | 0.1  | 97       |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.45   | 0.1  | 95       | 2   | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2640   | 50   | 106      |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.6   | 2.5  | 93       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.1  | 96       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.6    | 2.5  | 96       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 1    | 94       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 1    | 94       |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 1    | 93       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 0.1  | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.6   | 2.5  | 94       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.2    | 2.5  | 92       |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 28700  | 1000 |          | 2   | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 168    | 50   |          | 4   | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 66.5   | 1    |          | 3   | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15     | 1    |          | 3   | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 38500  | 1000 | 102      |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 100      |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 158    | 1    | 89       |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.9   | 2.5  | 98       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.3   | 0.1  | 96       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 9.8    | 2.5  | 98       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.3   | 1    | 99       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.5   | 0.16 | 94       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 38.5   | 1    | 92       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.3   | 1    | 93       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.3   | 1    | 94       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.6   | 0.1  | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 2.5  | 99       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 9.7    | 2.5  | 97       |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MS      | 53.3   | 1    | 100      |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | DMS     | 52.4   | 1    | 98       | 2   | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 4.91   | 0.5  | 98       |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 79.1   | 1    |          | 2   | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <20    | 20   |          |     | 20170316 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170316 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170316 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170316 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170316 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170316 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170316 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12800  | 20   | 102      |     | 20170316 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2640   | 50   | 106      |     | 20170316 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 1    | 97       |     | 20170316 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 2.5  | 93       |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.1  | 96       |     | 20170316 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.6    | 2.5  | 96       |     | 20170316 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 1    | 94       |     | 20170316 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.8   | 0.16 | 96       |     | 20170316 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20170316 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20170316 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 1    | 93       |     | 20170316 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 0.1  | 93       |     | 20170316 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.6   | 2.5  | 94       |     | 20170316 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.2    | 2.5  | 92       |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 0.1  | 101      |     | 20170316 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 28700  | 20   |          | 2   | 20170316 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 168    | 50   |          | 4   | 20170316 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 66.5   | 1    |          | 3   | 20170316 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170316 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170316 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 15     | 1    |          | 3   | 20170316 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170316 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170316 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170316 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170316 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170316 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 38500  | 20   | 102      |     | 20170316 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1180   | 50   | 100      |     | 20170316 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 158    | 1    | 89       |     | 20170316 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.9   | 2.5  | 98       |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 0.1  | 96       |     | 20170316 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170316 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 1    | 99       |     | 20170316 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.5   | 0.16 | 94       |     | 20170316 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 38.5   | 1    | 92       |     | 20170316 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.7   | 1    | 95       |     | 20170316 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.3   | 1    | 94       |     | 20170316 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 0.1  | 93       |     | 20170316 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 2.5  | 99       |     | 20170316 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.7    | 2.5  | 97       |     | 20170316 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 0.1  | 101      |     | 20170316 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170222 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170222 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.13  | 0.13 |          |     | 20170301 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.8   | 0.63 | 104      |     | 20170301 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170307 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170307 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170307 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170223 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170223 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170224 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170224 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 387    | 10   |          | 1   | 20170224 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170314 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170314 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170314 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170314 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170314 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170314 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.51   | 0.1  | 100      |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 20.9   | 1    | 97       |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.89   | 0.1  |          | 1   | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 650    | 10   |          | 2   | 20170314 |
|                            | Water  | METHOD                 | 4500-NH3 G | MS      | 3.84   | 0.1  | 98       |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.88   | 0.1  | 100      | 2   | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2640   | 50   | 106      |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 1    | 97       |     | 20170314 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 94.4   | 0.05 | 94       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.02 | 96       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.6    | 2.5  | 96       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 1    | 94       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.8   | 0.16 | 96       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 1    | 93       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 0.1  | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.6   | 2.5  | 94       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.2    | 2.5  | 92       |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 146    | 50   |          | 3   | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.1    | 1    |          | 1   | 20170314 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.1   | 0.05 |          | 2   | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.062  | 0.02 |          | 6   | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 18     | 1    |          | 1   | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.1    | 1    |          | 2   | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1160   | 50   | 101      |     | 20170314 |

| Analyte                    | Matrix | •                      | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 100    | 1    | 92       |     | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 110    | 0.05 | 96       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 0.02 | 96       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.7    | 2.5  | 97       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 1    | 96       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.1   | 0.16 | 94       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41.1   | 1    | 94       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 1    | 92       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.3   | 1    | 97       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.3   | 0.1  | 91       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 2.5  | 92       |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 46     | 1    | 92       |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 46.4   | 1    | 93       | 1   | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.94   | 0.5  | 99       |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 217    | 1    |          | 3   | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170314 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170314 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170314 |
| ,                          | Water  | NONE                   | 180.1      | LCS     | 6.51   | 0.1  | 100      |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 20.9   | 1    | 97       |     | 20170314 |
|                            | Water  | NONE                   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170314 |
| ı                          | Water  | NONE                   | 2540-D     | DUP     | 70.8   | 4    |          | 1   | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170314 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170314 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12000  | 1000 | 96       |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170314 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20170314 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12000  | 1000 | 96       |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 1    | 94       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 1    | 94       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.6   | 2.5  | 94       |     | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 59000  | 1000 |          | 1   | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 156    | 50   |          | 8   | 20170314 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 4900   | 1000 |          | 1   | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 34800  | 1000 |          | 1   | 20170314 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 66800  | 1000 | 73       |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 97       |     | 20170314 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 15000  | 1000 | 100      |     | 20170314 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 43600  | 1000 | 92       |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 168    | 1    |          | 1   | 20170314 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170314 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 92.2   | 1    |          | 1   | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.5    | 0.1  |          | 1   | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.53   | 0.1  | 102      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.52   | 0.1  | 101      | 1   | 20170307 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |

| Analyte                    | Matrix  | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|---------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Alkalinity, Total as CaCO3 | Water   | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170314 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Chloride                   | Water   | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170314 |
| Color                      | Water   | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170314 |
| Nitrate as N               | Water   | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170314 |
| Sulfate                    | Water   | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Suspended Solids     | Water   | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170314 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170314 |
| Total Suspended Solids     | Water   | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170314 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170314 |
| Alkalinity, Total as CaCO3 | Water   | NONE                   | 2320-B     | LCS     | 192    | 5    | 99       |     | 20170314 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170314 |
| Chloride                   | Water   | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170314 |
| Color                      | Water   | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170314 |
| Nitrate as N               | Water   | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170314 |
| Sulfate                    | Water   | METHOD                 | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20170314 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170314 |
| Total Suspended Solids     | Water   | NONE                   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20170314 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170314 |
| Alkalinity, Total as CaCO3 | Water   | NONE                   | 2320-B     | DUP     | 15.7   | 5    |          | 1   | 20170314 |
| Chloride                   | Water   | METHOD                 | 300        | DUP     | <1.0   | 1    |          | NC  | 20170314 |
| Color                      | Water   | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170314 |
| Nitrate as N               | Water   | METHOD                 | 300        | DUP     | 0.442  | 0.05 |          | 1   | 20170314 |
| Sulfate                    | Water   | METHOD                 | 300        | DUP     | 1.77   | 0.1  |          | 1   | 20170314 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | DUP     | 0.18   | 0.1  |          | 3   | 20170314 |
| Total Suspended Solids     | Water   | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170314 |
| Chloride                   | Water   | METHOD                 | 300        | MS      | 4.7    | 2    | 117      |     | 20170314 |
| Nitrate as N               | Water   | METHOD                 | 300        | MS      | 4.65   | 0.1  | 105      |     | 20170314 |
| Sulfate                    | Water   | METHOD                 | 300        | MS      | 5.87   | 0.2  | 102      |     | 20170314 |
| Chloride                   | Water   | METHOD                 | 300        | DMS     | 4.8    | 2    | 119      | 1   | 20170314 |
| Nitrate as N               | Water   | METHOD                 | 300        | DMS     | 4.73   | 0.1  | 107      | 2   | 20170314 |
| Sulfate                    | Water   | METHOD                 | 300        | DMS     | 5.93   | 0.2  | 104      | 1   | 20170314 |
| Total Recoverable Iron     | Water   | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170314 |
| Total Chromium             | Water   | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Aluminur | r Water | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170314 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2440   | 50   | 98       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.2    | 2.5  | 92       |     | 20170314 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.7   | 1    | 94       |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.8   | 2.5  | 96       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 0.1  | 99       |     | 20170314 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 1    | 95       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.2   | 0.16 | 96       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 1    | 95       |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 1    | 93       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 0.1  | 94       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 2.5  | 97       |     | 20170314 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.9    | 1    |          | 8   | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170314 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170314 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 993    | 50   | 99       |     | 20170314 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.5    | 2.5  | 95       |     | 20170314 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 101    | 1    | 97       |     | 20170314 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.6   | 2.5  | 97       |     | 20170314 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 0.1  | 99       |     | 20170314 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.1   | 2.5  | 101      |     | 20170314 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 1    | 99       |     | 20170314 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.5   | 0.16 | 97       |     | 20170314 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.5   | 1    | 102      |     | 20170314 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 1    | 97       |     | 20170314 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.6   | 1    | 95       |     | 20170314 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 97       |     | 20170314 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 2.5  | 101      |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170314 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170314 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 16.5   | 1    |          | 5   | 20170314 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170315 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170315 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170315 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 192    | 5    | 99       |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170315 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 5.89   | 0.1  | 90       |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 414    | 20   | 97       |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2440   | 50   | 98       |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.2    | 2.5  | 92       |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.7   | 1    | 94       |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.8   | 2.5  | 96       |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 0.1  | 99       |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 1    | 95       |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.2   | 0.16 | 96       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 1    | 95       |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 1    | 93       |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 0.1  | 94       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 2.5  | 97       |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.3    | 1    |          | 27  | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 97.3   | 1    | 89       |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50     | 2.5  | 100      |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 0.1  | 100      |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.6    | 2.5  | 96       |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 1    | 96       |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.7   | 0.16 | 97       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.2   | 1    | 93       |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 1    | 93       |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48     | 1    | 96       |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 0.1  | 93       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 2.5  | 100      |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170224 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170224 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170224 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170224 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170224 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17.1   | 0.5  | 105      |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170228 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170228 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170228 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170228 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170228 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170313 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170313 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170315 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170315 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170315 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 191    | 5    | 98       |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.84   | 1    | 97       |     | 20170315 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.97   | 0.1  | 99       |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.81   | 0.1  | 105      |     | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170315 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 38     | 5    |          | 1   | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170315 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.26   | 0.1  |          | 16  | 20170315 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.06   | 0.1  | 103      |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.02   | 0.1  | 101      | 2   | 20170315 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13000  | 1000 | 104      |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2710   | 50   | 109      |     | 20170315 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 94.5   | 1    | 94       |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.5   | 2.5  | 95       |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 0.1  | 96       |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 98       |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 0.16 | 93       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.7   | 1    | 95       |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.9   | 1    | 92       |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 0.1  | 95       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 2.5  | 99       |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.9    | 2.5  | 99       |     | 20170315 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 16100  | 1000 |          | 3   | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170315 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.6    | 1    |          | 27  | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 27000  | 1000 | 105      |     | 20170315 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1100   | 50   | 110      |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 105    | 1    | 95       |     | 20170315 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 53.7   | 2.5  | 107      |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.1  | 104      |     | 20170315 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.6   | 2.5  | 106      |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.8   | 1    | 111      |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.7   | 0.16 | 101      |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.7   | 1    | 107      |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.5   | 1    | 102      |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51     | 1    | 102      |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 0.1  | 102      |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.4   | 2.5  | 106      |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.2   | 2.5  | 102      |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 47.3   | 1    |          | 2   | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170315 |
| Total Recoverable Magnesiน |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170315 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2710   | 50   | 109      |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 105      |     | 20170315 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13600  | 1000 | 109      |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.5   | 1    | 94       |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 0.02 | 96       |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.6   | 0.16 | 93       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 2.5  | 99       |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 107    | 1    |          | 3   | 20170315 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170315 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170303 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170303 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170303 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170315 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170315 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170315 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.82   | 0.1  | 96       |     | 20170315 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170315 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | 0.053  | 0.05 |          |     | 20170315 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2710   | 50   | 109      |     | 20170315 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 94.5   | 1    | 94       |     | 20170315 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 0.05 | 97       |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 0.02 | 96       |     | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 98       |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.6   | 0.16 | 93       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.7   | 1    | 95       |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.9   | 1    | 92       |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 0.1  | 95       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 2.5  | 99       |     | 20170315 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.9    | 2.5  | 99       |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 210    | 50   |          | 5   | 20170315 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.4   | 1    |          | 11  | 20170315 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.4   | 0.05 |          | 4   | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.049  | 0.02 |          | 59  | 20170315 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170315 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 21.4   | 1    |          | 3   | 20170315 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170315 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1290   | 50   | 109      |     | 20170315 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 103    | 1    | 93       |     | 20170315 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 112    | 0.05 | 101      |     | 20170315 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 0.02 | 99       |     | 20170315 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 102      |     | 20170315 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.2   | 0.16 | 96       |     | 20170315 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.3   | 1    | 102      |     | 20170315 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.2   | 1    | 97       |     | 20170315 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 1    | 103      |     | 20170315 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 0.1  | 95       |     | 20170315 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 2.5  | 101      |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170315 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 209    | 1    |          | 6   | 20170315 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 143    | 1    |          | 1   | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.87   | 0.1  |          | 1   | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.95   | 0.1  | 104      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.93   | 0.1  | 103      | 1   | 20170307 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170303 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170303 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170303 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.44   | 0.1  |          | 1   | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.48   | 0.1  | 103      |     | 20170307 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.46   | 0.1  | 102      | 1   | 20170307 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170303 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170303 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170315 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170307 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 17     | 0.5  | 105      |     | 20170307 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.77   | 0.1  |          | 3   | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.7    | 0.1  | 94       |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.67   | 0.1  | 93       | 1   | 20170323 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170323 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170323 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170323 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170323 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 4    | 105      |     | 20170323 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.9   | 2.5  | 96       |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170323 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48     | 1    | 96       |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170323 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 74400  | 1000 |          | 2   | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 157    | 50   |          | 5   | 20170323 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 5600   | 1000 |          | 3   | 20170323 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 45100  | 1000 |          | 3   | 20170323 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 82200  | 1000 | 92       |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1150   | 50   | 100      |     | 20170323 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 15600  | 1000 | 101      |     | 20170323 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 54100  | 1000 | 101      |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 51.9   | 1    | 104      |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 51.1   | 1    | 102      | 2   | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.15   | 0.5  | 103      |     | 20170323 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170323 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 209    | 1    |          | 2   | 20170323 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170323 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 117    | 1    |          | 3   | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170323 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170323 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170323 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170323 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.61   | 0.1  | 92       |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170323 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 696    | 10   |          | 1   | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 4.4    | 4    |          | 1   | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170323 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 4    | 105      |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.9   | 2.5  | 96       |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98     | 0.05 | 98       |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170323 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170323 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170323 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170323 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48     | 1    | 96       |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 2.5  | 97       |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 8.9    | 2.5  | 89       |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 122    | 50   |          | 6   | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.7    | 4    |          | 4   | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.7   | 0.05 |          | 2   | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170323 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 22.9   | 1    |          | 1   | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1110   | 50   | 98       |     | 20170323 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 106    | 4    | 100      |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49     | 2.5  | 98       |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 108    | 0.05 | 95       |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.7   | 0.02 | 99       |     | 20170323 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 9.8    | 2.5  | 98       |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.6   | 1    | 92       |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.4   | 0.16 | 93       |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.3   | 1    | 94       |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.7   | 1    | 91       |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.9   | 1    | 100      |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.7   | 0.1  | 85       |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.2   | 2.5  | 97       |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 8.7    | 2.5  | 87       |     | 20170323 |
|                            | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.15   | 0.5  | 103      |     | 20170323 |

| Analyte                  | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|--------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total          | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170323 |
| Hardness, Total          | Water  | NONE                   | 2340-B     | DUP     | 206    | 1    |          | 6   | 20170323 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170309 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170309 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <4.0   | 4    |          |     | 20170310 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | LCS     | 1600   | 8    | 98       |     | 20170310 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <4.0   | 4    |          |     | 20170310 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | LCS     | 1600   | 8    | 98       |     | 20170310 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | DUP     | 429    | 4    |          | 2   | 20170310 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170320 |
| Nitrate as N             | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170320 |
| Nitrate as N             | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170320 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170320 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170310 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170310 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170310 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170310 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170310 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170406 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170406 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170406 |
| Chlorophyll A            | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170406 |
| Nitrate as N             | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170406 |
| Nitrite as N             | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170406 |
| Nitrogen, Total Kjeldahl | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170406 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170406 |
|                            | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 8.0  |          |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170406 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 26.6   | 0.5  | 111      |     | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 116    | 5    | 96       |     | 20170406 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170406 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170406 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.46   | 0.2  | 87       |     | 20170406 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | LCS     | 9.14   | 0.1  | 106      |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 26.3   | 0.5  | 110      |     | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 115    | 5    | 95       |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 26.3   | 0.5  | 110      |     | 20170406 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | LCS     | 4220   | 110  | 101      |     | 20170406 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | LCS     | 4170   | 110  | 99       |     | 20170406 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | DLCS    | 4140   | 110  | 99       | 2   | 20170406 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | DLCS    | 4140   | 110  | 99       | 1   | 20170406 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 3.29   | 0.1  |          | 1   | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 4.29   | 0.5  |          | 4   | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | DUP     | 10.5   | 5    |          | 4   | 20170406 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | DUP     | <0.010 | 0.01 |          | NC  | 20170406 |
| J                          | Water  | NONE                   | 5310-C     | DUP     | 3.42   | 0.5  |          | 2   | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 3.18   | 0.5  |          | 10  | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 2.75   | 0.5  |          | 5   | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 2.74   | 0.5  |          | 7   | 20170406 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 13.1   | 0.5  | 97       |     | 20170406 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MS      | 31.9   | 0.5  | 110      |     | 20170406 |
|                            | Water  | NONE                   | 5220-C     | MS      | 106    | 13   | 95       |     | 20170406 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | MS      | 0.541  | 0.01 | 106      |     | 20170406 |
|                            | Water  | METHOD                 | 4500-NH3 G | DMS     | 13.1   | 0.5  | 98       | 1   | 20170406 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | DMS     | 109    | 13   | 98       | 2   | 20170406 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | DMS     | 0.517  | 0.01 | 101      | 5   | 20170406 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170406 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170406 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170406 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 10200  | 40   | 102      |     | 20170406 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170323 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170323 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170323 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.86   | 0.1  | 105      |     | 20170323 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | DUP     | 417    | 10   |          | 3   | 20170323 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170323 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170323 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170323 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170323 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Selenium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Chromium              | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170323 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170323 |
| Total Recoverable Magnesiu  |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170323 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170323 |
| Total Recoverable Aluminun  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 4    | 105      |     | 20170323 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.9   | 2.5  | 96       |     | 20170323 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170323 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48     | 1    | 96       |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170323 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170323 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170323 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170323 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170323 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.62   | 0.1  | 92       |     | 20170323 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.86   | 0.1  | 105      |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170323 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |

| Analyte                    | Matrix | · ·                    | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170323 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2470   | 50   | 99       |     | 20170323 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 4    | 105      |     | 20170323 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.9   | 2.5  | 96       |     | 20170323 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98     | 0.05 | 98       |     | 20170323 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170323 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170323 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 0.16 | 96       |     | 20170323 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170323 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170323 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48     | 1    | 96       |     | 20170323 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170323 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170323 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170323 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.24   | 0.5  | 105      |     | 20170323 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 436    | 20   | 102      |     | 20170314 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170314 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170327 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170327 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170329 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170329 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170329 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.2   | 0.5  | 100      |     | 20170329 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170329 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170329 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.75   | 0.1  | 95       |     | 20170329 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170329 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170329 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170329 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170329 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170329 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.6   | 2.5  | 106      |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170329 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 111    | 1    | 111      |     | 20170329 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 106    | 0.05 | 106      |     | 20170329 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170329 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 0.16 | 104      |     | 20170329 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.3   | 1    | 105      |     | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 1    | 106      |     | 20170329 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.5   | 1    | 107      |     | 20170329 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170329 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 107    | 50   |          | 4   | 20170329 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 1    |          | 8   | 20170329 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 13.1   | 0.05 |          | 1   | 20170329 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170329 |

| Analyte                    | Matrix | •                      | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 29.8   | 1    |          | 2   | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170329 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 11.1   | 2.5  | 111      |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1150   | 50   | 105      |     | 20170329 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 115    | 1    | 108      |     | 20170329 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 121    | 0.05 | 108      |     | 20170329 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 104      |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13     | 1    | 104      |     | 20170329 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.9   | 0.16 | 102      |     | 20170329 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 57.1   | 1    | 107      |     | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 1    | 104      |     | 20170329 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 54.1   | 1    | 108      |     | 20170329 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 0.1  | 100      |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.2   | 2.5  | 105      |     | 20170329 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170329 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 227    | 1    |          | 1   | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.6   | 1    | 101      |     | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 51     | 1    | 102      | 1   | 20170329 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.02   | 0.5  | 100      |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170329 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.2   | 0.5  | 100      |     | 20170329 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170329 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170329 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170329 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170329 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170329 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170329 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170329 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 105      |     | 20170329 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170329 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170329 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170329 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 111    | 1    | 111      |     | 20170329 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170329 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170329 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 0.16 | 104      |     | 20170329 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.3   | 1    | 105      |     | 20170329 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 1    | 106      |     | 20170329 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170329 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170329 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170329 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170320 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170320 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 389    | 10   |          | 3   | 20170320 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170320 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170320 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170320 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170320 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170320 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170320 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170320 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.2   | 0.5  | 100      |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16     | 0.5  | 99       |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.54   | 0.1  |          | 4   | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.5    | 0.1  | 95       |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.46   | 0.1  | 93       | 2   | 20170329 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <2.5   | 2.5  |          |     | 20170321 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170321 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <2.5   | 2.5  |          |     | 20170321 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170321 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16     | 0.5  | 99       |     | 20170329 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170403 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170403 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170403 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170403 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170403 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170403 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170403 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170403 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16     | 0.5  | 99       |     | 20170403 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.54   | 0.1  | 100      |     | 20170403 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170403 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.79   | 0.1  | 104      |     | 20170403 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170403 |
| Nitrate as N               | Water  | METHOD                 | 300        | DLCS    | 2.38   | 0.05 | 95       | 1   | 20170403 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.35   | 0.1  |          | 2   | 20170403 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 94.4   | 4    |          | 2   | 20170403 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.34   | 0.1  | 101      |     | 20170403 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.34   | 0.1  | 100      | 1   | 20170403 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170403 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170403 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170403 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170403 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170403 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170403 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170403 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170403 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170403 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170403 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170403 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 105      |     | 20170403 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170403 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170403 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170403 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 111    | 1    | 111      |     | 20170403 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170403 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170403 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 0.16 | 104      |     | 20170403 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.3   | 1    | 105      |     | 20170403 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 1    | 106      |     | 20170403 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170403 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170403 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170403 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170419 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170419 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170419 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170419 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16     | 0.5  | 99       |     | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 239    | 5    | 102      |     | 20170419 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170419 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 0.1  | 98       |     | 20170419 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.54   | 0.1  | 100      |     | 20170419 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.79   | 0.1  | 104      |     | 20170419 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170419 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170419 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20170419 |
| Chloride                   | Water  | METHOD                 | 300        | DLCS    | 4.8    | 1    | 96       | 1   | 20170419 |
| Nitrate as N               | Water  | METHOD                 | 300        | DLCS    | 2.38   | 0.05 | 95       | 1   | 20170419 |
| Nitrite as N               | Water  | METHOD                 | 300        | DLCS    | 2.44   | 0.05 | 98       | 1   | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 1130   | 5    |          | 1   | 20170419 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170419 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170419 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170419 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170419 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170419 |
| Total Chromium             |        | EPA 3020A              | 200.8 (W) | LCS     | 10.6   | 2.5  | 106      |     | 20170419 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5200   | 10   | 104      |     | 20170419 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170419 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.5   | 2.5  | 105      |     | 20170419 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 0.02 | 105      |     | 20170419 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.3   | 1    | 107      |     | 20170419 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 0.16 | 104      |     | 20170419 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.3   | 1    | 105      |     | 20170419 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.5   | 1    | 106      |     | 20170419 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.5   | 1    | 107      |     | 20170419 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 0.1  | 102      |     | 20170419 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 2.5  | 107      |     | 20170419 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 4.72   | 0.2  | 94       |     | 20170419 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          | 0   | 20170419 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MS      | 4.52   | 0.2  | 90       |     | 20170419 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170419 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 100      |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 100      |     | 20170323 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 419    | 10   |          | 1   | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 424    | 20   | 99       |     | 20170323 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0    | 4    |          |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424     | 20   | 99       |     | 20170323 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0    | 4    |          | NC  | 20170323 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16      | 0.5  | 99       |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.64    | 0.1  |          | 1   | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.64    | 0.1  | 100      |     | 20170329 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.61    | 0.1  | 98       | 2   | 20170329 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0    | 4    |          |     | 20170328 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428     | 20   | 100      |     | 20170328 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0    | 4    |          |     | 20170328 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428     | 20   | 100      |     | 20170328 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0    | 4    |          | NC  | 20170328 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1    | 0.5  | 99       |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170411 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170411 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0    | 1    |          |     | 20170411 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170411 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10   | 0.1  |          |     | 20170411 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0    | 5    |          |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0    | 4    |          |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620    | 10   | 99       |     | 20170411 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1    | 0.5  | 100      |     | 20170411 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8     | 1    | 96       |     | 20170411 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38    | 0.05 | 95       |     | 20170411 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78    | 0.1  | 96       |     | 20170411 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01    | 0.1  | 92       |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428     | 20   | 100      |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 378     | 10   |          | 2   | 20170411 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20170411 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20170411 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20170411 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <400    | 400  |          |     | 20170411 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170411 |
|                            | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 101      |     | 20170411 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170411 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170411 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 400  | 103      |     | 20170411 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.1   | 1    | 94       |     | 20170411 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97.7   | 0.05 | 98       |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 0.02 | 99       |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 99       |     | 20170411 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 0.16 | 100      |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170411 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 97       |     | 20170411 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 1    | 102      |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170411 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.5    | 2.5  | 95       |     | 20170411 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.5    | 0.5  | 110      |     | 20170411 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170411 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170411 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170407 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170407 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170407 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 195    | 5    | 101      |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170407 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170407 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 47     | 5    |          | 1   | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 281    | 10   |          | 1   | 20170407 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 20     | 5    |          | 1   | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.05   | 0.1  | 103      |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.03   | 0.1  | 101      | 2   | 20170407 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170407 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170407 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <400   | 400  |          |     | 20170407 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170407 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2520   | 50   | 101      |     | 20170407 |
| Total Recoverable Magnesiı | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12400  | 1000 | 100      |     | 20170407 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 400  | 103      |     | 20170407 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 94.1   | 1    | 94       |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 2.5  | 100      |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 0.02 | 99       |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 99       |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 0.16 | 100      |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 97       |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.8   | 1    | 102      |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 2.5  | 98       |     | 20170407 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.5    | 2.5  | 95       |     | 20170407 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 19500  | 1000 |          | 2   | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170407 |
| Total Recoverable Magnesiเ |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 2100   | 1000 |          | 2   | 20170407 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1740   | 400  |          | 1   | 20170407 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.7    | 1    |          | 1   | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.03   | 0.02 |          | 28  | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170407 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 29400  | 1000 | 103      |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 969    | 50   | 97       |     | 20170407 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11700  | 1000 | 96       |     | 20170407 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11500  | 400  | 98       |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 95.9   | 1    | 90       |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.6   | 2.5  | 99       |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 0.02 | 97       |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.9    | 2.5  | 99       |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 99       |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49     | 0.16 | 98       |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 1    | 100      |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.9   | 1    | 96       |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.9   | 1    | 100      |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.1   | 0.1  | 97       |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 2.5  | 98       |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.5    | 0.5  | 110      |     | 20170407 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170407 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 57.3   | 1    |          | 2   | 20170407 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170407 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 11.9   | 1    |          | 2   | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170407 |
| Total Recoverable Magnesiน |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170407 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <400   | 400  |          |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170407 |

| Analyte                    | Matrix | · ·                    | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170407 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170407 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 400  | 103      |     | 20170407 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.1   | 1    | 94       |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 0.02 | 99       |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 99       |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 0.16 | 100      |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 97       |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170407 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170407 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170330 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 409    | 10   |          | 7   | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170330 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170330 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.47   | 0.1  |          | 1   | 20170407 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.43   | 0.1  | 98       |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.41   | 0.1  | 96       | 2   | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170411 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170411 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170411 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170411 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170411 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170411 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 195    | 5    | 101      |     | 20170411 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170411 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170411 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170411 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170411 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20170411 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170411 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170411 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170411 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170411 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170411 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 8.7    | 2.5  | 87       |     | 20170411 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 101    | 1    | 101      |     | 20170411 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.8   | 2.5  | 102      |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.1  | 102      |     | 20170411 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.5   | 2.5  | 105      |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 103      |     | 20170411 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 0.16 | 101      |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170411 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.8   | 1    | 103      |     | 20170411 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 1    | 101      |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.7   | 0.1  | 101      |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.3   | 2.5  | 105      |     | 20170411 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170411 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11     | 1    |          | 2   | 20170411 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170411 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.7    | 1    |          | 4   | 20170411 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170411 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1030   | 50   | 103      |     | 20170411 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 9.1    | 2.5  | 91       |     | 20170411 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 110    | 1    | 99       |     | 20170411 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.2   | 2.5  | 104      |     | 20170411 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.1  | 103      |     | 20170411 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.2   | 2.5  | 102      |     | 20170411 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.3   | 1    | 106      |     | 20170411 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.1   | 0.16 | 102      |     | 20170411 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.5   | 1    | 99       |     | 20170411 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 1    | 101      |     | 20170411 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.8   | 1    | 104      |     | 20170411 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 0.1  | 100      |     | 20170411 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.1   | 2.5  | 104      |     | 20170411 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170411 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.5    | 0.5  | 110      |     | 20170411 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170331 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 434    | 20   | 101      |     | 20170331 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170331 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170331 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 434    | 20   | 101      |     | 20170331 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170407 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170407 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170407 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170407 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 195    | 5    | 101      |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170407 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20170407 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170407 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B    | DUP     | 40.6   | 5    |          | 1   | 20170407 |
| Chloride                   | Water  | METHOD                 | 300       | DUP     | 2.6    | 2    |          | 1   | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300       | DUP     | 0.79   | 0.1  |          | 1   | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300       | DUP     | 10.9   | 0.2  |          | 1   | 20170407 |
| Chloride                   | Water  | METHOD                 | 300       | MS      | 12.3   | 5    | 96       |     | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300       | MS      | 11     | 0.25 | 102      |     | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300       | MS      | 20.3   | 0.5  | 93       |     | 20170407 |
| Chloride                   | Water  | METHOD                 | 300       | DMS     | 12.2   | 5    | 96       | 1   | 20170407 |
| Nitrate as N               | Water  | METHOD                 | 300       | DMS     | 11.2   | 0.25 | 104      | 1   | 20170407 |
| Sulfate                    | Water  | METHOD                 | 300       | DMS     | 20.4   | 0.5  | 94       | 1   | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170407 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170407 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 8.7    | 2.5  | 87       |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 101    | 1    | 101      |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.8   | 2.5  | 102      |     | 20170407 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.1  | 102      |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.5   | 2.5  | 105      |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 103      |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 0.16 | 101      |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.8   | 1    | 103      |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 1    | 101      |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.7   | 0.1  | 101      |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.3   | 2.5  | 105      |     | 20170407 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12     | 1    |          | 3   | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.3    | 1    |          | 6   | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170407 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1010   | 50   | 101      |     | 20170407 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 106    | 1    | 94       |     | 20170407 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.2   | 2.5  | 98       |     | 20170407 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.7   | 0.1  | 99       |     | 20170407 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10     | 2.5  | 100      |     | 20170407 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.9   | 1    | 103      |     | 20170407 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.9   | 0.16 | 98       |     | 20170407 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.4   | 1    | 96       |     | 20170407 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.7   | 1    | 99       |     | 20170407 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.8   | 1    | 100      |     | 20170407 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.3   | 0.1  | 98       |     | 20170407 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.7   | 2.5  | 103      |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MS      | 57.3   | 1    | 115      |     | 20170407 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | DMS     | 57.4   | 1    | 115      | 1   | 20170407 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.61   | 0.5  | 112      |     | 20170407 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170407 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 50.4   | 1    |          | 1   | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170404 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 416    | 20   | 97       |     | 20170404 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170404 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 416    | 20   | 97       |     | 20170404 |

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170404 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 16.1   | 0.5  | 100      |     | 20170407 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170411 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 15.8   | 0.5  | 97       |     | 20170411 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | DUP     | 423    | 10   |          | 1   | 20170406 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170406 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170406 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170406 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170406 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170406 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170406 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170411 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170411 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 15.8   | 0.5  | 97       |     | 20170411 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170411 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170419 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170419 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170419 |
| Conductivity               | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Fluoride                   | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170419 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170419 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170419 |
| Conductivity               | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170419 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170419 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 123    | 5    | 99       |     | 20170419 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.8   | 0.5  | 97       |     | 20170419 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170419 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 241    | 5    | 103      |     | 20170419 |
| Fluoride                    | Water  | METHOD                 | 300        | LCS     | 4.83   | 0.1  | 97       |     | 20170419 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170419 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 7.66   |      | 99       |     | 20170419 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20170419 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 7.12   | 0.1  | 109      |     | 20170419 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170419 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | DUP     | 42     | 5    |          | 1   | 20170419 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.32   | 0.1  |          | 2   | 20170419 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | DUP     | 355    | 10   |          | 1   | 20170419 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DUP     | 21.2   | 4    |          | 1   | 20170419 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 3.26   | 0.1  | 99       |     | 20170419 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.25   | 0.1  | 98       | 1   | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <30    | 30   |          |     | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Potassiur |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170419 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 509    | 30   | 102      |     | 20170419 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12600  | 1000 | 101      |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2530   | 50   | 101      |     | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 102      |     | 20170419 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20170419 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 102    | 1    | 102      |     | 20170419 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 2.5  | 96       |     | 20170419 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 0.02 | 97       |     | 20170419 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170419 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170419 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20170419 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170419 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170419 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.7   | 1    | 97       |     | 20170419 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 0.1  | 98       |     | 20170419 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 2.5  | 98       |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.8    | 2.5  | 98       |     | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 52     | 30   |          | 2   | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 60300  | 1000 |          | 1   | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 101    | 50   |          | 2   | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 5500   | 1000 |          | 1   | 20170419 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 18700  | 1000 |          | 3   | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 42500  | 1000 |          | 3   | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.9    | 2.5  |          | 4   | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 503    | 30   | 90       |     | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 69300  | 1000 | 90       |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1070   | 50   | 97       |     | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14700  | 1000 | 92       |     | 20170419 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 27900  | 1000 | 87       |     | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 50800  | 1000 | 69       |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.4   | 2.5  | 104      |     | 20170419 |
| Mercury Total               | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170419 |
|                             | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20170419 |
| Mercury Total               | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20170419 |
| Mercury Total               | Water  | METHOD                 | 1631      | MS      | 50.5   | 1    | 101      |     | 20170419 |
| Mercury Total               | Water  | METHOD                 | 1631      | DMS     | 50.7   | 1    | 101      | 1   | 20170419 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.5   | 1    | 101      |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50.7   | 1    | 101      | 1   | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170419 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170419 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 110    | 1    |          | 3   | 20170419 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170419 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 173    | 1    |          | 1   | 20170419 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.8   | 0.5  | 104      |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.12   | 0.1  | 109      |     | 20170424 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 454    | 10   |          | 3   | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.71   | 0.1  |          | 1   | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.72   | 0.1  | 99       |     | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.71   | 0.1  | 98       | 1   | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170424 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170424 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170424 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170424 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170424 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170424 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170424 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 102    | 1    | 102      |     | 20170424 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 2.5  | 96       |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170424 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170424 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.6   | 0.16 | 95       |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 1    | 97       |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 98       |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170424 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.8    | 2.5  | 98       |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170424 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170424 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170424 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170419 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170419 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Fluoride                   | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170419 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170419 |
|                            | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170419 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170419 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170419 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170419 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170419 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 123    | 5    | 99       |     | 20170419 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.8   | 0.5  | 97       |     | 20170419 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170419 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 241    | 5    | 103      |     | 20170419 |
| Fluoride                    | Water  | METHOD                 | 300        | LCS     | 4.83   | 0.1  | 97       |     | 20170419 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170419 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 7.66   |      | 99       |     | 20170419 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20170419 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 7.12   | 0.1  | 109      |     | 20170419 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <30    | 30   |          |     | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170419 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170419 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170419 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170419 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170419 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170419 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 509    | 30   | 102      |     | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170419 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20170419 |

| Analyte                     | Matrix | •                      | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 102    | 1    | 102      |     | 20170419 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 2.5  | 96       |     | 20170419 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 98.4   | 0.05 | 98       |     | 20170419 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 0.02 | 97       |     | 20170419 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170419 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170419 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20170419 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170419 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170419 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.7   | 1    | 97       |     | 20170419 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 0.1  | 98       |     | 20170419 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 2.5  | 98       |     | 20170419 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.8    | 2.5  | 98       |     | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <30    | 30   |          | 0   | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 76500  | 1000 |          | 5   | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 445    | 50   |          | 5   | 20170419 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4300   | 1000 |          | 5   | 20170419 |
| Total Recoverable Potassiur |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 12900  | 1000 |          | 2   | 20170419 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 20500  | 1000 |          | 3   | 20170419 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.8   | 1    |          | 3   | 20170419 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170419 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14     | 0.05 |          | 2   | 20170419 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170419 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170419 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170419 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170419 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 29.5   | 1    |          | 1   | 20170419 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170419 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170419 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170419 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170419 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 491    | 30   | 98       |     | 20170419 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 82600  | 1000 | 98       |     | 20170419 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1420   | 50   | 100      |     | 20170419 |
| Total Recoverable Magnesiเ  |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14000  | 1000 | 99       |     | 20170419 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 22600  | 1000 | 100      |     | 20170419 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 30200  | 1000 | 103      |     | 20170419 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 114    | 1    | 102      |     | 20170419 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.1   | 2.5  | 98       |     | 20170419 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 116    | 0.05 | 102      |     | 20170419 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.9   | 0.02 | 96       |     | 20170419 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.2   | 2.5  | 102      |     | 20170419 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 1    | 103      |     | 20170419 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.7   | 0.16 | 95       |     | 20170419 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 54.8   | 1    | 101      |     | 20170419 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 1    | 101      |     | 20170419 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48     | 1    | 96       |     | 20170419 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 98       |     | 20170419 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 2.5  | 100      |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170419 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170419 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170419 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 208    | 1    |          | 4   | 20170419 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.8   | 0.5  | 97       |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.66   | 0.1  |          | 2   | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.62   | 0.1  | 96       |     | 20170407 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.6    | 0.1  | 95       | 1   | 20170407 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170411 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170411 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170418 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.3   | 0.5  | 95       |     | 20170418 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.07   | 0.1  |          | 1   | 20170418 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.02   | 0.1  | 97       |     | 20170418 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.03   | 0.1  | 98       | 1   | 20170418 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170413 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 434    | 20   | 101      |     | 20170413 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170413 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170413 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 434    | 20   | 101      |     | 20170413 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170413 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170413 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170413 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170413 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170413 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170413 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.7   | 0.5  | 97       |     | 20170413 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170413 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20170413 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 434    | 20   | 101      |     | 20170413 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170413 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170413 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170413 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170413 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170413 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170413 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170413 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170413 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170413 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170413 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.9   | 1    | 95       |     | 20170413 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 0.02 | 100      |     | 20170413 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 102      |     | 20170413 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 0.16 | 100      |     | 20170413 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170413 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20170413 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 2.5  | 103      |     | 20170413 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20170413 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 97       |     | 20170413 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 99       |     | 20170413 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 65     | 1    |          | 1   | 20170413 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170413 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.6     | 1    |          | 5   | 20170413 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16   | 0.16 |          | 0   | 20170413 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0    | 1    |          | 0   | 20170413 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0    | 1    |          | 0   | 20170413 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5    | 2.5  |          | 0   | 20170413 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | <50     | 50   |          | 0   | 20170413 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 1600    | 1000 |          | 1   | 20170413 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 5600    | 1000 |          | 1   | 20170413 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 168     | 1    | 104      |     | 20170413 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.1    | 0.02 | 96       |     | 20170413 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 14.4    | 1    | 101      |     | 20170413 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48      | 0.16 | 96       |     | 20170413 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9    | 1    | 100      |     | 20170413 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25      | 1    | 100      |     | 20170413 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2    | 2.5  | 101      |     | 20170413 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1050    | 50   | 105      |     | 20170413 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11800   | 1000 | 102      |     | 20170413 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 15900   | 1000 | 104      |     | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1      | 1    |          |     | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1      | 1    |          |     | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1      | 1    |          |     | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 52      | 1    | 99       |     | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 52.5    | 1    | 100      | 1   | 20170413 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.12    | 0.5  | 102      |     | 20170413 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1      | 1    |          |     | 20170413 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 17.9    | 1    |          | 1   | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620    | 10   | 99       |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620    | 10   | 99       |     | 20170413 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 383     | 10   |          | 4   | 20170413 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170424 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0    | 1    |          |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | МВ      | < 0.050 | 0.05 |          |     | 20170424 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170424 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 95       |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170424 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.66   | 0.1  | 93       |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94     | 1    | 94       |     | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 0.05 | 105      |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 0.02 | 103      |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 0.16 | 103      |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 102      |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 101      |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.4   | 1    | 105      |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 2.5  | 103      |     | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.2   | 2.5  | 102      |     | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 159    | 50   |          | 5   | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.6    | 1    |          | 3   | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 12.3   | 0.05 |          | 1   | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170424 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 14.1   | 1    |          | 2   | 20170424 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1190   | 50   | 104      |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 101    | 1    | 91       |     | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 120    | 0.05 | 108      |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 104      |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 1    | 103      |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.8   | 0.16 | 102      |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40.4   | 1    | 104      |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 1    | 102      |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 53.1   | 1    | 106      |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 99       |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 2.5  | 102      |     | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.7   | 2.5  | 107      |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 52.3   | 1    | 105      |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 51.7   | 1    | 103      | 1   | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170424 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170424 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 220    | 1    |          | 3   | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.73   | 0.1  |          | 3   | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.74   | 0.1  | 98       |     | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.71   | 0.1  | 97       | 1   | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170425 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170425 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170425 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170425 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170425 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20170425 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170425 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170425 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170425 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170425 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170425 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170425 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170425 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170425 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170425 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170425 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170425 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170425 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170425 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170425 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170425 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94     | 1    | 94       |     | 20170425 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 0.02 | 103      |     | 20170425 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170425 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 0.16 | 103      |     | 20170425 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 102      |     | 20170425 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 101      |     | 20170425 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 2.5  | 103      |     | 20170425 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170425 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170425 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170425 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170425 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170425 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170425 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170424 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170424 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170424 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170424 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170424 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 95       |     | 20170424 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170424 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.66   | 0.1  | 93       |     | 20170424 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170424 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170424 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170424 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170424 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170424 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170424 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170424 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170424 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170424 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170424 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170424 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94     | 1    | 94       |     | 20170424 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 105    | 0.05 | 105      |     | 20170424 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 0.02 | 103      |     | 20170424 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170424 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 0.16 | 103      |     | 20170424 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 102      |     | 20170424 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 101      |     | 20170424 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.4   | 1    | 105      |     | 20170424 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170424 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 2.5  | 103      |     | 20170424 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.2   | 2.5  | 102      |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170424 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170424 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170424 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170414 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170414 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170426 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170426 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170426 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170426 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170426 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170426 |
|                            | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170426 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170426 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170426 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170426 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170426 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 23.6   | 0.5  | 98       |     | 20170426 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 119    | 5    | 99       |     | 20170426 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170426 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170426 |
|                            | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.96   | 0.2  | 104      |     | 20170426 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | LCS     | 8.88   | 0.1  | 103      |     | 20170426 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | LCS     | 4350   | 110  | 108      |     | 20170426 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | DLCS    | 4090   | 110  | 101      | 6   | 20170426 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | DUP     | 4.42   | 0.5  |          | 2   | 20170426 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                             | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DUP     | 4.46   | 0.2  |          | 3   | 20170426 |
|                             | Water  | NONE                   | 5310-C     | DUP     | 6.24   | 0.5  |          | 7   | 20170426 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 5.35   | 0.5  |          | 4   | 20170426 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.31   | 0.5  |          | 1   | 20170426 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 32.5   | 0.5  | 112      |     | 20170426 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MS      | 24.2   | 0.2  | 98       |     | 20170426 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DMS     | 24.2   | 0.2  | 98       | 1   | 20170426 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170426 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170426 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170426 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 10000  | 40   | 100      |     | 20170426 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 26700  | 1000 |          | 1   | 20170426 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 130000 | 40   |          | 1   | 20170426 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 37900  | 1000 | 113      |     | 20170426 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 142000 | 40   | 129      |     | 20170426 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.43   | 0.1  |          | 1   | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 3.45   | 0.1  | 101      |     | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.43   | 0.1  | 101      | 1   | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170425 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170425 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170418 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170418 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170418 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170504 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Chloride                    | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170504 |
| Color                       | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170504 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Sulfate                     | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590   | 10   | 97       |     | 20170504 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.7   | 0.5  | 103      |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 94       |     | 20170504 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.67   | 0.1  | 93       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.94   | 0.1  | 107      |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.44   | 0.1  | 99       |     | 20170504 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 30     | 5    |          | 1   | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170504 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 10     | 5    |          | 1   | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.46   | 0.1  |          | 1   | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.01   | 0.1  | 100      |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.98   | 0.1  | 99       | 1   | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.5    | 2.5  | 95       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2520   | 50   | 101      |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.1   | 1    | 93       |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.7   | 2.5  | 105      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.7   | 0.02 | 107      |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.4   | 2.5  | 104      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.7   | 1    | 102      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.2   | 0.16 | 106      |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 1    | 100      |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.2   | 1    | 104      |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 2.5  | 101      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.1   | 0.02 | 104      |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 11300  | 1000 |          | 6   | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1200   | 1000 |          | 6   | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1200   | 1000 |          | 4   | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 37800  | 1000 |          | 15  | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4300   | 1000 |          | 14  | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 5000   | 1000 |          | 15  | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.4   | 1    |          | 5   | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.1    | 1    |          | 9   | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.4    | 1    |          | 9   | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.059  | 0.02 |          | 11  | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.1   | 2.5  | 111      |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 22400  | 1000 | 104      |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1050   | 50   | 105      |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11600  | 1000 | 104      |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11700  | 1000 | 104      |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 48600  | 1000 | 46       |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1000   | 50   | 100      |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14100  | 1000 | 91       |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14800  | 1000 | 90       |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 106    | 1    | 92       |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.5   | 2.5  | 97       |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24     | 0.02 | 96       |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.3   | 2.5  | 103      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.9   | 1    | 101      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.9   | 0.16 | 96       |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.5   | 1    | 102      |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.1   | 1    | 100      |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.6   | 1    | 95       |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.6   | 0.1  | 100      |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.3   | 2.5  | 101      |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 91.5   | 1    | 86       |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.2   | 2.5  | 98       |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24     | 0.02 | 96       |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 9.5    | 2.5  | 95       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.7   | 1    | 94       |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.3   | 0.16 | 93       |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.8   | 1    | 95       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.2   | 1    | 93       |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.5   | 1    | 95       |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.7   | 0.1  | 94       |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.2   | 2.5  | 97       |     | 20170504 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.1   | 0.02 | 100      |     | 20170504 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MS      | 50.8   | 1    | 102      |     | 20170504 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | DMS     | 49.1   | 1    | 98       | 3   | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.03   | 0.5  | 101      |     | 20170504 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170504 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 33.1   | 1    |          | 6   | 20170504 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20170504 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | DUP     | 7.2    | 1    |          | 5   | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <5.0   | 5    |          |     | 20170418 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170418 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 432    | 20   | 101      |     | 20170418 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170418 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <1.0   | 1    |          |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 21.5   | 1    | 100      |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DLCS    | 21.3   | 1    | 99       | 1   | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <1.0   | 1    |          |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 21.5   | 1    | 100      |     | 20170420 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DLCS    | 21.3   | 1    | 99       | 1   | 20170420 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170420 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170420 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1620   | 10   | 99       |     | 20170420 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170420 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170420 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170420 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 236    | 5    | 101      |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170504 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 97       |     | 20170504 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.84   | 0.1  | 97       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.49   | 0.1  |          | 6   | 20170504 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.54   |      |          | 1   | 20170504 |
|                            | Water  | METHOD                 | 4500-NH3 G | MS      | 2.34   | 0.1  | 91       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.33   | 0.1  | 90       | 1   | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4600   | 50   | 92       |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2340   | 50   | 94       |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.2   | 2.5  | 100      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 0.02 | 103      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.4   | 0.16 | 103      |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 1    | 101      |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.5    | 2.5  | 95       |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.96   | 0.2  | 99       |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MS      | 5.36   | 0.2  | 107      |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.84   | 0.1  | 97       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 721    | 10   |          | 1   | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2340   | 50   | 94       |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.7   | 1    | 94       |     | 20170504 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 102    | 0.05 | 102      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.8   | 0.02 | 103      |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.2   | 2.5  | 102      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.4   | 0.16 | 103      |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 1    | 101      |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 2.5  | 99       |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.5    | 2.5  | 95       |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 141    | 50   |          | 1   | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.1    | 1    |          | 4   | 20170504 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 10.9   | 0.05 |          | 1   | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.6   | 1    |          | 1   | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |

| Analyte                    | Matrix | •                      | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1110   | 50   | 97       |     | 20170504 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 102    | 1    | 93       |     | 20170504 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 116    | 0.05 | 105      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 0.02 | 101      |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.3   | 2.5  | 103      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.8   | 1    | 102      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49     | 0.16 | 98       |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 39.2   | 1    | 102      |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 1    | 100      |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.5   | 1    | 103      |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 98       |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 2.5  | 100      |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10     | 2.5  | 100      |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.2   | 1    | 100      |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 49.7   | 1    | 99       | 1   | 20170504 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.12   | 0.5  | 102      |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.28   | 0.1  | 96       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 0.2    | 0.1  |          | 6   | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11800  | 1000 | 94       |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2340   | 50   | 94       |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11400  | 1000 | 91       |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11600  | 1000 | 93       |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.7   | 1    | 94       |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.8   | 0.02 | 103      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.4   | 0.16 | 103      |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 2.5  | 99       |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 46900  | 1000 |          | 1   | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 215    | 50   |          | 1   | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4400   | 1000 |          | 2   | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 31100  | 1000 |          | 3   | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.2   | 1    |          | 8   | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15.1   | 1    |          | 8   | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 56200  | 1000 | 87       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1180   | 50   | 96       |     | 20170504 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 13700  | 1000 | 92       |     | 20170504 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 40900  | 1000 | 90       |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 109    | 1    | 92       |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.02 | 104      |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 102      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.6   | 0.16 | 99       |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40.1   | 1    | 95       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.6   | 1    | 98       |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 2.5  | 101      |     | 20170504 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170504 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 82.4   | 1    |          | 3   | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170421 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170421 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170421 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 236    | 5    | 101      |     | 20170504 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170504 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170504 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170504 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20170504 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170504 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.79   |      |          | 1   | 20170504 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 231    | 5    |          | 1   | 20170504 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.67   | 0.1  |          | 4   | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 634    | 10   |          | 1   | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.04   | 0.1  | 102      |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.89   | 0.1  | 94       | 8   | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170504 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170504 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4600   | 50   | 92       |     | 20170504 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2340   | 50   | 94       |     | 20170504 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.2   | 2.5  | 100      |     | 20170504 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 0.02 | 103      |     | 20170504 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170504 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.4   | 0.16 | 103      |     | 20170504 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170504 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 1    | 101      |     | 20170504 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170504 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170504 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.5    | 2.5  | 95       |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 5.15   | 0.2  |          |     | 20170504 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170504 |

| Analyte                    | Matrix  | Prep      | Method     | QC Type | Result    | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|-----------|------------|---------|-----------|---------|----------|-----|----------|
| Mercury Total              | Water   | METHOD    | 7470-A     | MS      | 5.11      | 0.2     |          |     | 20170504 |
| Total Dissolved Solids     | Aqueous | NONE      | 2540-C     | MB      | <5.0      | 5       |          |     | 20170510 |
| Ammonia as N               | Aqueous | METHOD    | 4500-NH3 G | MB      | <0.050    | 0.05    |          |     | 20170510 |
| Nitrate as N               | Aqueous | METHOD    | 300        | MB      | <0.050    | 0.05    |          |     | 20170510 |
| Sulfate                    | Aqueou  | METHOD    | 300        | MB      | <0.10     | 0.1     |          |     | 20170510 |
| Total Dissolved Solids     | Aqueous | NONE      | 2540-C     | LCS     | 1610      | 5       | 98       |     | 20170510 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | LCS     | 3.36      | 0.05    | 104      |     | 20170510 |
| pH lab                     | Aqueou  | NONE      | 4500-H-B   | LCS     | 7.69      |         | 100      |     | 20170510 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | LCS     | 1650      | 5       | 100      |     | 20170510 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | LCS     | 1650      | 5       | 100      |     | 20170510 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | LCS     | 1640      | 5       | 100      |     | 20170510 |
| Nitrate as N               | Aqueou  | METHOD    | 300        | LCS     | 2.37      | 0.05    | 95       |     | 20170510 |
| Sulfate                    | Aqueou  | METHOD    | 300        | LCS     | 4.97      | 0.1     | 99       |     | 20170510 |
| Nitrate as N               | Aqueou  | METHOD    | 300        | DLCS    | 2.38      | 0.05    | 95       | 1   | 20170510 |
| Sulfate                    | Aqueou  | METHOD    | 300        | DLCS    | 5.03      | 0.1     | 101      | 1   | 20170510 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | MB      | <0.040    | 0.04    |          |     | 20170510 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | MB      | <0.020    | 0.02    |          |     | 20170510 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | MB      | <0.010    | 0.01    |          |     | 20170510 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0020   | 0.002   |          |     | 20170510 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 0.00008 |          |     | 20170510 |
| Total Recoverable Chromiun | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00080  | 0.0008  |          |     | 20170510 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00040  | 0.0004  |          |     | 20170510 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 0.00008 |          |     | 20170510 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00080  | 0.0008  |          |     | 20170510 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0040   | 0.004   |          |     | 20170510 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 0.00008 |          |     | 20170510 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0020   | 0.002   |          |     | 20170510 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A     | MB      | <0.0010   | 0.001   |          |     | 20170510 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | LCS     | 9.05      | 0.04    | 91       |     | 20170510 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | LCS     | 4.65      | 0.02    | 93       |     | 20170510 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | LCS     | 2.25      | 0.01    | 90       |     | 20170510 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0947    | 0.002   | 95       |     | 20170510 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0476    | 0.00008 | 95       |     | 20170510 |
| Total Recoverable Chromiun | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0193    |         | 96       |     | 20170510 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0239    | 0.0004  | 96       |     | 20170510 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0938    | 0.00008 | 94       |     | 20170510 |

| Analyte                    | Matrix  |           | Method     | QC Type | Result   | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|-----------|------------|---------|----------|---------|----------|-----|----------|
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0472   | 0.0008  | 94       |     | 20170510 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0999   | 0.004   | 100      |     | 20170510 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0235   | 0.00008 | 94       |     | 20170510 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A     | LCS     | 0.0475   | 0.002   | 95       |     | 20170510 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A     | LCS     | 0.0049   | 0.001   | 99       |     | 20170510 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | DUP     | <0.20    | 0.2     |          |     | 20170510 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | DUP     | 0.025    | 0.02    |          | 23  | 20170510 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | DUP     | 5.75     | 0.05    |          | 2   | 20170510 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.010   | 0.01    |          |     | 20170510 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.00040 | 0.0004  |          |     | 20170510 |
| Total Recoverable Chromiun | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.0040  | 0.004   |          |     | 20170510 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A     | DUP     | 0.0027   | 0.002   |          | 7   | 20170510 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.00040 | 0.0004  |          |     | 20170510 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | DUP     | 0.0044   | 0.004   |          | 13  | 20170510 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.020   | 0.02    |          |     | 20170510 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A     | DUP     | <0.00040 | 0.0004  |          |     | 20170510 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A     | DUP     | 0.023    | 0.01    |          | 4   | 20170510 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A     | DUP     | <0.0010  | 0.001   |          |     | 20170510 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | MS      | 7.55     | 0.2     | 75       |     | 20170510 |
| Total Recoverable Iron     |         | EPA 3010A | 6010-C     | MS      | 3.89     | 0.02    | 77       |     | 20170510 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | MS      | 7.82     | 0.05    | 79       |     | 20170510 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | MS      | 0.527    | 0.01    | 105      |     | 20170510 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | MS      | 0.25     | 0.0004  | 100      |     | 20170510 |
| Total Recoverable Chromiun |         |           | 6020-A     | MS      | 0.102    | 0.004   | 102      |     | 20170510 |
| Total Recoverable Copper   |         | EPA 3020A | 6020-A     | MS      | 0.122    | 0.002   | 96       |     | 20170510 |
| Total Recoverable Lead     |         | EPA 3020A | 6020-A     | MS      | 0.471    |         | 94       |     | 20170510 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | MS      | 0.247    |         | 97       |     | 20170510 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | MS      | 0.519    | 0.02    | 104      |     | 20170510 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A     | MS      | 0.117    | 0.0004  | 94       |     | 20170510 |
| Total Recoverable Zinc     |         | EPA 3020A | 6020-A     | MS      | 0.271    | 0.01    | 99       |     | 20170510 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A     | MS      | 0.0053   | 0.001   | 106      |     | 20170510 |
| Hardness, Total            | Aqueou  |           | 2340-B     | MB      | <1       | 1       |          |     | 20170510 |
| Hardness, Total            | Sludge, | NONE      | 2340-B     | DUP     | 1230     | 1       |          | 2   | 20170510 |
| Ammonia as N               | Water   | METHOD    | 4500-NH3 G | MB      | <0.10    | 0.1     |          |     | 20170504 |
| Ammonia as N               | Water   | METHOD    | 4500-NH3 G | LCS     | 15.5     | 0.5     | 96       |     | 20170504 |
| Total Dissolved Solids     | Water   | NONE      | 2540-C     | MB      | <10      | 10      |          |     | 20170508 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170508 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170508 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170508 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170508 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170508 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170508 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170508 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170508 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170508 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170508 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170508 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170508 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170508 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170508 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20170508 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87   | 0.1  | 90       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21.5   | 1    | 100      |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21.3   | 1    | 99       | 1   | 20170508 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 39     | 5    |          | 1   | 20170508 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 35     | 5    |          | 1   | 20170508 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.3    | 0.1  |          | 1   | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          |     | 20170508 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20170508 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170508 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170508 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170508 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170508 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170508 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170508 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13000  | 20   | 104      |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170508 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 89.4   | 1    | 89       |     | 20170508 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.3   | 2.5  | 99       |     | 20170508 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.8   | 0.1  | 103      |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.2   | 2.5  | 102      |     | 20170508 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 1    | 99       |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 0.16 | 101      |     | 20170508 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170508 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170508 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 1    | 101      |     | 20170508 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20170508 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 2.5  | 100      |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9      | 2.5  | 90       |     | 20170508 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 39600  | 20   |          | 1   | 20170508 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 100    | 50   |          | 1   | 20170508 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 38.4   | 1    |          | 7   | 20170508 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170508 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170508 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170508 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.3    | 1    |          | 7   | 20170508 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170508 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170508 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 48600  | 20   | 84       |     | 20170508 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1110   | 50   | 101      |     | 20170508 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 129    | 1    | 88       |     | 20170508 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.3   | 2.5  | 103      |     | 20170508 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 0.1  | 103      |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.4   | 2.5  | 104      |     | 20170508 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.8   | 1    | 102      |     | 20170508 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.7   | 0.16 | 99       |     | 20170508 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.9   | 1    | 96       |     | 20170508 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.6   | 1    | 98       |     | 20170508 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.6   | 1    | 103      |     | 20170508 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 0.1  | 99       |     | 20170508 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 2.5  | 103      |     | 20170508 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10     | 2.5  | 100      |     | 20170508 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170508 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170508 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170508 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170424 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170424 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 15.5   | 0.5  | 96       |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170426 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170426 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170426 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170426 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170426 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170426 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170509 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.2   | 0.5  | 100      |     | 20170509 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.47   | 0.1  |          | 1   | 20170510 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.45   | 0.1  | 99       |     | 20170510 |
|                            | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.41   | 0.1  | 97       | 2   | 20170510 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170510 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170510 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 104      |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170510 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170510 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 0.16 | 100      |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170510 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170510 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170510 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170510 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 95       |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170510 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.54   | 0.1  |          | 6   | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20170510 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 101    | 0.05 | 101      |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 0.16 | 100      |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 104    | 50   |          | 10  | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 103      |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.2   | 1    | 100      |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 49.9   | 1    | 100      | 1   | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.91   | 0.5  | 98       |     | 20170510 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170515 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170515 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170515 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170515 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | МВ      | <0.10  | 0.1  |          |     | 20170515 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170515 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 95       |     | 20170515 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170515 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170515 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28   | 0.1  | 96       |     | 20170515 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.54   | 0.1  |          | 6   | 20170515 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170515 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170515 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170515 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170515 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170515 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170515 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20170515 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20170515 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170515 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170515 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170515 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170515 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170515 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20170515 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 101    | 0.05 | 101      |     | 20170515 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170515 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170515 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 0.16 | 100      |     | 20170515 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170515 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170515 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20170515 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170515 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170515 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170515 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 104    | 50   |          | 10  | 20170515 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 103      |     | 20170515 |
| Mercury Total              | Water  | METHOD                 | 1631       | МВ      | <1     | 1    |          |     | 20170515 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1      | 1    |          |     | 20170515 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1      | 1    |          |     | 20170515 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.2    | 1    | 100      |     | 20170515 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 49.9    | 1    | 100      | 1   | 20170515 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.91    | 0.5  | 98       |     | 20170515 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1      | 1    |          |     | 20170515 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 211     | 1    |          | 6   | 20170515 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170510 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170510 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0    | 1    |          |     | 20170510 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0    | 5    |          |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170510 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10   | 0.1  |          |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170510 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0    | 5    |          |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590    | 10   | 97       |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1    | 0.5  | 99       |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8     | 1    | 95       |     | 20170510 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 235     | 5    | 100      |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4     | 0.05 | 96       |     | 20170510 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.34    | 0.05 | 93       |     | 20170510 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.68    |      | 100      |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72    | 0.1  | 94       |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.28    | 0.1  | 96       |     | 20170510 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.16    |      |          | 1   | 20170510 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20   | 0.2  |          |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10     | 10   |          |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20170510 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16   | 0.16 |          |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170510 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.91   | 0.2  | 98       |     | 20170510 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5400   | 10   | 108      |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 2.5  | 100      |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 0.16 | 100      |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 0.1  | 97       |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.8   | 2.5  | 99       |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 8.9    | 2.5  | 89       |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170510 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MS      | 4.61   | 0.2  | 92       |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.2    | 2.5  | 92       |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170427 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170427 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 374    | 10   |          | 4   | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170427 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170427 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170427 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170427 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170509 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170509 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170509 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.1   | 0.5  | 99       |     | 20170509 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170517 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170517 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170517 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170517 |
|                            |        | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170517 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 123    | 5    | 99       |     | 20170517 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170517 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170517 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170517 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.73   | 0.1  | 95       |     | 20170517 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21.4   | 1    | 100      |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 21     | 1    | 98       | 2   | 20170517 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 49.4   | 5    |          | 1   | 20170517 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 5      | 5    |          | 1   | 20170517 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.62   | 0.1  |          | 11  | 20170517 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170517 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170517 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170517 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170517 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2570   | 50   | 103      |     | 20170517 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 1    | 103      |     | 20170517 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.1   | 2.5  | 100      |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 0.1  | 105      |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20170517 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 98       |     | 20170517 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.1   | 0.16 | 100      |     | 20170517 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170517 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170517 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 1    | 101      |     | 20170517 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170517 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 2.5  | 99       |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 8.9    | 2.5  | 89       |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 27.3   | 0.1  | 109      |     | 20170517 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 798    | 50   |          | 9   | 20170517 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 205    | 1    |          | 12  | 20170517 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170517 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 3.3    | 1    |          | 2   | 20170517 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.53   | 0.16 |          | 5   | 20170517 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 51.1   | 1    |          | 1   | 20170517 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.2    | 1    |          | 7   | 20170517 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170517 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.9    | 2.5  |          | 3   | 20170517 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1750   | 50   | 102      |     | 20170517 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 308    | 1    | 78       |     | 20170517 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.8   | 2.5  | 104      |     | 20170517 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.6   | 0.1  | 106      |     | 20170517 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.5   | 2.5  | 105      |     | 20170517 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 15.2   | 1    | 96       |     | 20170517 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.1   | 0.16 | 101      |     | 20170517 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 79.2   | 1    | 112      |     | 20170517 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.5   | 1    | 97       |     | 20170517 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.7   | 1    | 103      |     | 20170517 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 98       |     | 20170517 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 30.3   | 2.5  | 97       |     | 20170517 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170517 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170517 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170517 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MS      | 48.2   | 1    | 96       |     | 20170517 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | DMS     | 50.2   | 1    | 100      | 4   | 20170517 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.06   | 0.5  | 101      |     | 20170517 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170517 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 71.3   | 1    |          | 1   | 20170517 |
| Nitrate as N               | Water  | METHOD                 | 300        | DUP     | 0.637  | 0.05 |          | 2   | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 7.17   | 0.1  |          | 1   | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.94   | 0.1  | 97       |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | MS      | 4.6    | 2    | 114      |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MS      | 4.81   | 0.1  | 109      |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 4.82   | 0.2  | 92       |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | MS      | 4.8    | 2    | 119      |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MS      | 5.01   | 0.1  | 109      |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 10.9   | 0.2  | 94       |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.98   | 0.1  | 99       | 2   | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | DMS     | 4.6    | 2    | 115      | 1   | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | DMS     | 4.84   | 0.1  | 109      | 1   | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 4.85   | 0.2  | 93       | 1   | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | DMS     | 4.8    | 2    | 119      | 1   | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | DMS     | 5.03   | 0.1  | 110      | 1   | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 10.9   | 0.2  | 95       | 1   | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170510 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170510 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2570   | 50   | 103      |     | 20170510 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 1    | 103      |     | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.1   | 2.5  | 100      |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 0.1  | 105      |     | 20170510 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 98       |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.1   | 0.16 | 100      |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 1    | 101      |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 2.5  | 99       |     | 20170510 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 8.9    | 2.5  | 89       |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 27.3   | 0.1  | 109      |     | 20170510 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 24.4   | 1    |          | 10  | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170510 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170510 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.8    | 1    |          | 3   | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170510 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170510 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 123    | 1    | 101      |     | 20170510 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.5   | 2.5  | 95       |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.3   | 0.1  | 101      |     | 20170510 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.9    | 2.5  | 99       |     | 20170510 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 101      |     | 20170510 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.2   | 0.16 | 96       |     | 20170510 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 1    | 97       |     | 20170510 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.6   | 1    | 94       |     | 20170510 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.7   | 1    | 97       |     | 20170510 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 0.1  | 95       |     | 20170510 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 2.5  | 99       |     | 20170510 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 0.1  | 101      |     | 20170510 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170510 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MS      | 52     | 1    | 101      |     | 20170510 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | DMS     | 50.4   | 1    | 98       | 3   | 20170510 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.06   | 0.5  | 101      |     | 20170510 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170510 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170510 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170510 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170510 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 123    | 5    | 99       |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170510 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170510 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170510 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170510 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.73   | 0.1  | 95       |     | 20170510 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20170510 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 21.4   | 1    | 100      |     | 20170510 |

| Analyte                | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids | Water  | NONE   | 2540-D     | DLCS    | 21     | 1    | 98       | 2   | 20170510 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170510 |
| Chloride               | Water  | METHOD | 300        | DUP     | <1.0   | 1    |          | NC  | 20170510 |
| Nitrate as N           | Water  | METHOD | 300        | DUP     | 0.452  | 0.05 |          | 3   | 20170510 |
| Sulfate                | Water  | METHOD | 300        | DUP     | 1.11   | 0.1  |          | 1   | 20170510 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170510 |
| Chloride               | Water  | METHOD | 300        | DUP     | <1.0   | 1    |          | NC  | 20170510 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 21     | 1    | 98       |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DLCS    | 20.7   | 1    | 97       | 1   | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 21     | 1    | 98       |     | 20170501 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DLCS    | 20.7   | 1    | 97       | 1   | 20170501 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | LCS     | 3.36   | 0.1  | 104      |     | 20170510 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | DUP     | 1.42   | 0.1  |          | 1   | 20170510 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MS      | 3.42   | 0.1  | 100      |     | 20170510 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | DMS     | 3.4    | 0.1  | 99       | 1   | 20170510 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 21.2   | 1    | 99       |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 21.2   | 1    | 99       |     | 20170502 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DLCS    | 21.1   | 1    | 98       | 1   | 20170502 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170517 |
| Sulfate                | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170517 |
| Sulfate                | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170517 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170517 |
| Sulfate                | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170517 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170517 |
|                            | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 8    | 96       |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.69   | 0.1  | 94       |     | 20170517 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1650   | 10   | 100      |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1650   | 10   | 100      |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1670   | 8    | 102      |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 1.03   | 0.2  |          | 1   | 20170517 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 17     | 2    |          | 16  | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 0.37   | 0.2  |          | 17  | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 5.09   | 0.2  | 102      |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 4.14   | 0.2  | 93       |     | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 5.09   | 0.2  | 102      | 1   | 20170517 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 4.22   | 0.2  | 95       | 2   | 20170517 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170517 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170517 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170517 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170517 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 92       |     | 20170517 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170510 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 16.9   | 0.5  | 104      |     | 20170510 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1660   | 10   | 101      |     | 20170516 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170516 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 7.1    | 0.1  | 109      |     | 20170516 |
|                            | Water  | NONE                   | 2540-D    | LCS     | 454    | 20   | 106      |     | 20170516 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170516 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170516 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170516 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12600  | 1000 | 101      |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2570   | 50   | 103      |     | 20170516 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170516 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13000  | 1000 | 104      |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 91.3   | 1    | 91       |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.1   | 2.5  | 94       |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 0.02 | 97       |     | 20170516 |
| Total Recoverable Chromiun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.4    | 2.5  | 94       |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 1    | 93       |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 1    | 92       |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.6   | 1    | 90       |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.5   | 1    | 93       |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 0.1  | 92       |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.2   | 2.5  | 89       |     | 20170516 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 8.7    | 2.5  | 87       |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 28.6   | 1    |          | 9   | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170516 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 14.9   | 1    |          | 5   | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 126    | 1    | 100      |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.7   | 2.5  | 101      |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 0.02 | 103      |     | 20170516 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.8   | 2.5  | 108      |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 1    | 103      |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.7   | 0.16 | 99       |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 39.3   | 1    | 101      |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 1    | 98       |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51     | 1    | 102      |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.1   | 0.1  | 97       |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.2   | 2.5  | 97       |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.1    | 0.5  | 102      |     | 20170516 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170516 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1660   | 10   | 101      |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170516 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | METHOD                 | 300       | LCS     | 4.9    | 1    | 97       |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.38   | 0.05 | 95       |     | 20170516 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 5      | 0.1  | 100      |     | 20170516 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 7.1    | 0.1  | 109      |     | 20170516 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 454    | 20   | 106      |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 720    | 10   |          | 1   | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170516 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170516 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2570   | 50   | 103      |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 91.3   | 1    | 91       |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.1   | 2.5  | 94       |     | 20170516 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.1   | 0.05 | 95       |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 0.02 | 97       |     | 20170516 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.4    | 2.5  | 94       |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 1    | 93       |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 1    | 92       |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.6   | 1    | 90       |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.5   | 1    | 93       |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 0.1  | 92       |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.2   | 2.5  | 89       |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 8.7    | 2.5  | 87       |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 89     | 50   |          | 13  | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.7    | 1    |          | 2   | 20170516 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 13.8   | 0.05 |          | 1   | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170516 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 8.4    | 1    |          | 1   | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1110   | 50   | 101      |     | 20170516 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 94.8   | 1    | 88       |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.3   | 2.5  | 105      |     | 20170516 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 111    | 0.05 | 97       |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.02 | 104      |     | 20170516 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 1    | 96       |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.2   | 0.16 | 98       |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 32.3   | 1    | 95       |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.6   | 1    | 95       |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 1    | 103      |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.3   | 0.1  | 91       |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 2.5  | 93       |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 8.7    | 2.5  | 87       |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 53.1   | 1    | 106      |     | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 53.2   | 1    | 106      | 1   | 20170516 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.1    | 0.5  | 102      |     | 20170516 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170516 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 216    | 1    |          | 9   | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170516 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170516 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170516 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170516 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1660   | 10   | 101      |     | 20170516 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.99   | 0.5  | 98       |     | 20170516 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170516 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 248    | 5    | 106      |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170516 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170516 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170516 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5      | 0.1  | 100      |     | 20170516 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.38   | 0.1  |          | 2   | 20170516 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 915    | 5    |          | 1   | 20170516 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.51   |      |          | 1   | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 4.3    | 0.1  | 98       |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.33   | 0.1  | 100      | 2   | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170516 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170516 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5210   | 10   | 104      |     | 20170516 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170516 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.1   | 2.5  | 94       |     | 20170516 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20170516 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 1    | 93       |     | 20170516 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.6   | 0.16 | 95       |     | 20170516 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 92       |     | 20170516 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.6   | 1    | 90       |     | 20170516 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.5   | 1    | 93       |     | 20170516 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 0.1  | 92       |     | 20170516 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.2   | 2.5  | 89       |     | 20170516 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 8.7    | 2.5  | 87       |     | 20170516 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.91   | 0.2  | 118      |     | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 71     | 10   |          | 10  | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 3530   | 50   |          | 2   | 20170516 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          | 0   | 20170516 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1840   | 10   | 89       |     | 20170516 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 4480   | 50   | 102      |     | 20170516 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 5.74   | 0.2  | 115      |     | 20170516 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170516 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 381    | 1    |          | 1   | 20170516 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 446    | 20   | 104      |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170516 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170516 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170504 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170504 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 446    | 20   | 104      |     | 20170504 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170511 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               |        | METHOD                 | 4500-NH3 G | LCS     | 16.8   | 0.5  | 104      |     | 20170511 |
|                            | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.43   | 0.1  |          | 1   | 20170511 |
|                            | Water  | METHOD                 | 4500-NH3 G | MS      | 3.39   | 0.1  | 98       |     | 20170511 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.36   | 0.1  | 97       | 1   | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170508 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170524 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170524 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.86   | 1    | 97       |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170524 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.74   | 0.1  | 95       |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170524 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170524 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.5   | 1    | 92       |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.5   | 2.5  | 95       |     | 20170524 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.2   | 0.05 | 96       |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 0.02 | 98       |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 1    | 95       |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.2   | 0.16 | 94       |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.7   | 1    | 95       |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 1    | 95       |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 1    | 96       |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 0.1  | 93       |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 2.5  | 93       |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 120    | 50   |          | 3   | 20170524 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5      | 1    |          | 4   | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12.4   | 0.05 |          | 1   | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.5    | 1    |          | 1   | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 106      |     | 20170524 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 98.5   | 1    | 94       |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.4   | 2.5  | 101      |     | 20170524 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 114    | 0.05 | 101      |     | 20170524 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 0.02 | 99       |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.7   | 1    | 93       |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.7   | 0.16 | 93       |     | 20170524 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 33.9   | 1    | 98       |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.7   | 1    | 95       |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.9   | 1    | 100      |     | 20170524 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 0.1  | 93       |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.9   | 2.5  | 91       |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 2.5  | 129      |     | 20170524 |
| ,                          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.1    | 0.5  | 102      |     | 20170524 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170524 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 218    | 1    |          | 1   | 20170524 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 432    | 20   | 101      |     | 20170508 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170508 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <5.0   | 5    |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <5.0   | 5    |          |     | 20170524 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 5    | 99       |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.99   | 0.5  | 98       |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170524 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170524 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170524 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170524 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170524 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170524 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170524 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 92       |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.5   | 2.5  | 95       |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 1    | 95       |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20170524 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170524 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.99   | 0.5  | 98       |     | 20170516 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.41   | 0.1  | 98       |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.476  | 0.05 |          | 1   | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.45   | 0.05 | 97       |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.47   | 0.05 | 99       | 2   | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170524 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170524 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170524 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170524 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170524 |
| Total Recoverable Magnesiı | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20170524 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170524 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.5   | 1    | 92       |     | 20170524 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.5   | 2.5  | 95       |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 0.02 | 98       |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 1    | 95       |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.2   | 0.16 | 94       |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.7   | 1    | 95       |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 1    | 95       |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 1    | 96       |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 0.1  | 93       |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 2.5  | 93       |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4180   | 50   |          | 3   | 20170524 |
| Total Recoverable Magnesiı | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4500   | 1000 |          | 3   | 20170524 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 3500   | 1000 |          | 4   | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 5230   | 50   | 91       |     | 20170524 |
| Total Recoverable Magnesiเ |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14600  | 1000 | 100      |     | 20170524 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 13600  | 1000 | 99       |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.1    | 0.5  | 102      |     | 20170524 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170524 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 161    | 1    |          | 2   | 20170524 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20170524 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | DUP     | 25.2   | 1    |          | 4   | 20170524 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.12   | 0.1  |          | 1   | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.09   | 0.1  | 99       |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.07   | 0.1  | 98       | 1   | 20170524 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170509 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 454    | 20   | 106      |     | 20170509 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170509 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 454    | 20   | 106      |     | 20170509 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170509 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170525 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170525 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1650   | 10   | 101      |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 94       |     | 20170525 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170525 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6      | 0.1  | 92       |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170525 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170525 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170525 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170525 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170525 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170525 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 92       |     | 20170525 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.2   | 0.05 | 96       |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170525 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 1    | 95       |     | 20170525 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20170525 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20170525 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20170525 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20170525 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20170525 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.7   | 1    | 101      |     | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50.3   | 1    | 101      | 1   | 20170525 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.09   | 0.5  | 102      |     | 20170525 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170525 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170525 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170525 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170525 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170525 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170525 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170525 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1650   | 10   | 101      |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 94       |     | 20170525 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 248    | 5    | 106      |     | 20170525 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170525 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170525 |
|                            | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170525 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6      | 0.1  | 92       |     | 20170525 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 681    | 10   |          | 1   | 20170525 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.78   |      |          | 1   | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 12.5   | 0.1  |          | 2   | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170525 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170525 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170525 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5120   | 10   | 102      |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.5   | 2.5  | 95       |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170525 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 1    | 95       |     | 20170525 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20170525 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20170525 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20170525 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20170525 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20170525 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.14   | 0.2  | 103      |     | 20170525 |
|                            | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          | 0   | 20170525 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 5.2    | 0.2  | 104      |     | 20170525 |
| ,                          | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170525 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170524 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170524 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170524 |
|                            | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170524 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 94       |     | 20170524 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170524 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170524 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6      | 0.1  | 92       |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170524 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170524 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170524 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170524 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170524 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170524 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 92       |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.2   | 0.05 | 96       |     | 20170524 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 1    | 95       |     | 20170524 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20170524 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170524 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20170524 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20170524 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20170524 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20170524 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20170524 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170524 |
|                            | Water  | METHOD                 | 1631       | MS      | 49.7   | 1    | 99       |     | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 47.8   | 1    | 96       | 4   | 20170524 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.01   | 0.5  | 100      |     | 20170524 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170524 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170511 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170525 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6      | 0.1  | 92       |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.74   | 0.1  |          | 2   | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.75   | 0.1  | 103      |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.8    | 0.1  | 105      | 2   | 20170525 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170525 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170525 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170525 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170525 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170525 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170525 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170525 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170525 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 92       |     | 20170525 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 0.02 | 98       |     | 20170525 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.9   | 1    | 95       |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20170525 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20170525 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20170525 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20170525 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170525 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170511 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170511 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170515 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170515 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170515 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170515 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170515 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170515 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170524 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170524 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170515 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170515 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170517 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170517 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170517 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170518 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170518 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.25   | 0.1  | 96       |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6      | 0.1  | 92       |     | 20170605 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170605 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170605 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170605 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13400  | 1000 | 107      |     | 20170605 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2670   | 50   | 107      |     | 20170605 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 105      |     | 20170605 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 105      |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.6   | 1    | 93       |     | 20170605 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 1    | 98       |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.1   | 0.16 | 98       |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 99       |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 2.5  | 96       |     | 20170605 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170605 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170605 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.21   | 0.1  | 95       |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.45   | 0.1  |          | 2   | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170605 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170605 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2690   | 50   | 108      |     | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170605 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.5   | 1    | 96       |     | 20170605 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 102    | 0.05 | 102      |     | 20170605 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.7   | 0.02 | 107      |     | 20170605 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 1    | 98       |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.9   | 0.16 | 102      |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 1    | 100      |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.1   | 1    | 100      |     | 20170605 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 1    | 100      |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.7   | 2.5  | 95       |     | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 79     | 50   |          | 1   | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.4    | 1    |          | 1   | 20170605 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12.8   | 0.05 |          | 2   | 20170605 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170605 |
| Total Recoverable Chromiur |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170605 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.3    | 1    |          | 1   | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170605 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 101      |     | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.1   | 2.5  | 101      |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 100    | 1    | 95       |     | 20170605 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 116    | 0.05 | 103      |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 0.02 | 99       |     | 20170605 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.4   | 2.5  | 104      |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 99       |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.4   | 0.16 | 93       |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 32.1   | 1    | 99       |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.6   | 1    | 98       |     | 20170605 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.5   | 1    | 97       |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 0.1  | 96       |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.5   | 2.5  | 94       |     | 20170605 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.19   | 0.5  | 104      |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170530 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170530 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.4   | 1    | 102      |     | 20170530 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170530 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170612 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170612 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170612 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170612 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170612 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170612 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170612 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 240    | 5    | 103      |     | 20170612 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170612 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrite as N               | Water  | METHOD                 | 300       | LCS     | 2.32   | 0.05 | 93       |     | 20170612 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 7.67   |      | 100      |     | 20170612 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.78   | 0.1  | 96       |     | 20170612 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.25   | 0.1  | 96       |     | 20170612 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170612 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170612 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170612 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170612 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 5.03   | 0.2  | 101      |     | 20170612 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5200   | 10   | 104      |     | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2670   | 50   | 107      |     | 20170612 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 2.5  | 98       |     | 20170612 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20170612 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 1    | 98       |     | 20170612 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 0.16 | 98       |     | 20170612 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 1    | 99       |     | 20170612 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170612 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49     | 1    | 98       |     | 20170612 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170612 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20170612 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170612 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          | 0   | 20170612 |
|                            | Water  | METHOD                 | 7470-A    | MS      | 4.96   | 0.2  | 99       |     | 20170612 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | МВ      | <1     | 1    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | МВ      | <10    | 10   |          |     | 20170519 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170519 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1590   | 10   | 97       |     | 20170519 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 415    | 10   |          | 5   | 20170519 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170519 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170519 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590   | 10   | 97       |     | 20170519 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170525 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170525 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <100   | 100  |          |     | 20170519 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170519 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170519 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <100   | 100  |          |     | 20170519 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170519 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170519 |
|                            | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170519 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170605 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170605 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170605 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170605 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170605 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.80  | 0.8  |          |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170605 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 24.9   | 0.5  | 104      |     | 20170605 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 113    | 5    | 93       |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170605 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20170605 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.48   | 0.2  | 87       |     | 20170605 |
| Total Recoverable Phosphor | Water  | METHOD                 | 365.3      | LCS     | 8.5    | 0.1  | 99       |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170605 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20170605 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | LCS     | 4380   | 110  | 102      |     | 20170605 |
| Chlorophyll A              | Water  | NONE                   | 10200 H    | DLCS    | 4280   | 110  | 100      | 2   | 20170605 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                             |        | METHOD                 | 4500-NH3 G | DUP     | 3.11   | 0.1  |          | 1   | 20170605 |
| 9                           |        | NONE                   | 5310-C     | DUP     | 3.98   | 0.5  |          | 3   | 20170605 |
|                             |        | ASTM D3590-02(2006)(A) | D1426-08B  | DUP     | 4.82   | 0.2  |          | 17  | 20170605 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.5    | 0.5  |          | 3   | 20170605 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.49   | 0.5  |          | 3   | 20170605 |
| 9                           | Water  | NONE                   | 5310-C     | DUP     | 2.56   | 0.5  |          | 3   | 20170605 |
| Total Recoverable Phosphor  |        | METHOD                 | 365.3      | DUP     | <0.010 | 0.01 |          |     | 20170605 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 7.81   | 0.25 | 95       |     | 20170605 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 31     | 0.5  | 108      |     | 20170605 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MS      | 22.4   | 0.2  | 83       |     | 20170605 |
| Total Recoverable Phosphor  | Water  | METHOD                 | 365.3      | MS      | 0.502  | 0.01 | 100      |     | 20170605 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 7.77   | 0.25 | 94       | 1   | 20170605 |
|                             |        | ASTM D3590-02(2006)(A) | D1426-08B  | DMS     | 22.4   | 0.2  | 83       | 1   | 20170605 |
| Total Recoverable Phosphor  | Water  | METHOD                 | 365.3      | DMS     | 0.498  | 0.01 | 100      | 1   | 20170605 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170605 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170605 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13300  | 1000 | 106      |     | 20170605 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 10400  | 40   | 104      |     | 20170605 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 26600  | 1000 |          | 3   | 20170605 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 129000 | 40   |          | 1   | 20170605 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 36300  | 1000 | 105      |     | 20170605 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 136000 | 40   | 82       |     | 20170605 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170612 |
| Chloride                    | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170612 |
| Conductivity                | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170612 |
| Nitrate as N                |        | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170612 |
| Nitrite as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170612 |
| Sulfate                     | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Conductivity                | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170612 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170612 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170612 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 95       |     | 20170612 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Conductivity               | Water  | NONE                   | 2510      | LCS     | 240    | 5    | 103      |     | 20170612 |
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.4    | 0.05 | 96       |     | 20170612 |
| Nitrite as N               | Water  | METHOD                 | 300       | LCS     | 2.32   | 0.05 | 93       |     | 20170612 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 7.67   |      | 100      |     | 20170612 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.73   | 0.1  | 95       |     | 20170612 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.21   | 0.1  | 95       |     | 20170612 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.64   | 0.1  | 102      |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 653    | 10   |          | 1   | 20170612 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | DUP     | 6.75   |      |          | 1   | 20170612 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170612 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170612 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170612 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170612 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170612 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | LCS     | 5.03   | 0.2  | 101      |     | 20170612 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5200   | 10   | 104      |     | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2670   | 50   | 107      |     | 20170612 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 2.5  | 98       |     | 20170612 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20170612 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 1    | 98       |     | 20170612 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 0.16 | 98       |     | 20170612 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 1    | 99       |     | 20170612 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170612 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49     | 1    | 98       |     | 20170612 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170612 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20170612 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170612 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          | 0   | 20170612 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 12     | 10   |          | 13  | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 147    | 50   |          | 2   | 20170612 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170612 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.986  | 0.02 |          | 1   | 20170612 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.6    | 1    |          | 1   | 20170612 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170612 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 265    | 1    |          | 1   | 20170612 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 1    |          | 1   | 20170612 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.2    | 1    |          |     | 20170612 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170612 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 94.4   | 2.5  |          | 1   | 20170612 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170612 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MS      | 5.01   | 0.2  | 100      |     | 20170612 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1810   | 10   | 90       |     | 20170612 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1180   | 50   | 103      |     | 20170612 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51     | 2.5  | 102      |     | 20170612 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.4   | 0.02 | 102      |     | 20170612 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 1    | 91       |     | 20170612 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.8   | 0.16 | 96       |     | 20170612 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 290    | 1    | 91       |     | 20170612 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.5   | 1    | 95       |     | 20170612 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.1   | 1    | 104      |     | 20170612 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 0.1  | 94       |     | 20170612 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 115    | 2.5  | 81       |     | 20170612 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.1   | 2.5  | 101      |     | 20170612 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170612 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 449    | 1    |          | 2   | 20170612 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170605 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170605 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170605 |

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
|                            |        | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170605 |
| Ammonia as N               |        | METHOD | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170605 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170605 |
|                            | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170605 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170605 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | LCS     | 4.77   | 1    | 95       |     | 20170605 |
| Color                      | Water  | NONE   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170605 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170605 |
| Sulfate                    | Water  | METHOD | 300        | LCS     | 4.73   | 0.1  | 95       |     | 20170605 |
| Turbidity Lab              | Water  | NONE   | 180.1      | LCS     | 6.21   | 0.1  | 95       |     | 20170605 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170605 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 98       |     | 20170605 |
| Sulfate                    | Water  | METHOD | 300        | LCS     | 4.73   | 0.1  | 95       |     | 20170605 |
| Turbidity Lab              | Water  | NONE   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 98       |     | 20170605 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | DUP     | 56.6   | 5    |          | 1   | 20170605 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | DUP     | 0.386  | 0.05 |          | 1   | 20170605 |
| Color                      |        | NONE   | 2120-B     | DUP     | 20     | 5    |          | 1   | 20170605 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170605 |
| Chloride                   | Water  | METHOD | 300        | DUP     | 1.1    | 1    |          | 1   | 20170605 |
| Nitrate as N               | Water  | METHOD | 300        | DUP     | <0.050 | 0.05 |          | NC  | 20170605 |
| Sulfate                    | Water  | METHOD | 300        | DUP     | 2.29   | 0.1  |          | 1   | 20170605 |
| Turbidity Lab              | Water  | NONE   | 180.1      | DUP     | 0.67   | 0.1  |          | 3   | 20170605 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MS      | 1.32   | 0.05 | 93       |     | 20170605 |
| Chloride                   | Water  | METHOD | 300        | MS      | 5.1    | 2    | 100      |     | 20170605 |
| Nitrate as N               | Water  | METHOD | 300        | MS      | 4.42   | 0.1  | 110      |     | 20170605 |
| Sulfate                    | Water  | METHOD | 300        | MS      | 6.09   | 0.2  | 95       |     | 20170605 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | DMS     | 1.34   | 0.05 | 96       | 3   | 20170605 |
| Chloride                   | Water  | METHOD | 300        | DMS     | 5.1    | 2    | 100      | 1   | 20170605 |
| Nitrate as N               | Water  | METHOD | 300        | DMS     | 4.47   | 0.1  | 112      | 1   | 20170605 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300       | DMS     | 6.14   | 0.2  | 97       | 1   | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170605 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170605 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2690   | 50   | 108      |     | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.6   | 1    | 93       |     | 20170605 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 2.5  | 98       |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.1  | 103      |     | 20170605 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.3   | 2.5  | 103      |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 1    | 98       |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.1   | 0.16 | 98       |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 1    | 99       |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170605 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49     | 1    | 98       |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20170605 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 69     | 50   |          | 12  | 20170605 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 25.2   | 1    |          | 1   | 20170605 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170605 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.1    | 1    |          | 1   | 20170605 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170605 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170605 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1100   | 50   | 103      |     | 20170605 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 115    | 1    | 90       |     | 20170605 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.5   | 2.5  | 101      |     | 20170605 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.1  | 103      |     | 20170605 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.6   | 2.5  | 106      |     | 20170605 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 1    | 100      |     | 20170605 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.8   | 0.16 | 98       |     | 20170605 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.6   | 1    | 102      |     | 20170605 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 1    | 101      |     | 20170605 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.5   | 1    | 99       |     | 20170605 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 99       |     | 20170605 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 2.5  | 100      |     | 20170605 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170605 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.19   | 0.5  | 104      |     | 20170605 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170530 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170530 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170613 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170613 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170613 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170613 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170613 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170613 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170613 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170613 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170613 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170613 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170613 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170613 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.39   | 0.05 | 96       |     | 20170613 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.81   | 0.1  | 96       |     | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6      | 0.1  | 92       |     | 20170613 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 422    | 20   | 98       |     | 20170613 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B    | DUP     | 24     | 5    |          | 1   | 20170613 |
| Color                      | Water  | NONE                   | 2120-B    | DUP     | <5.0   | 5    |          | NC  | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 0.64   | 0.1  |          | 5   | 20170613 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170613 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 83     | 10   |          | 4   | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12400  | 1000 | 99       |     | 20170613 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.2   | 1    | 95       |     | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 2.5  | 101      |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.1   | 0.02 | 104      |     | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 1    | 98       |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.6   | 0.16 | 99       |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20170613 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.7   | 1    | 99       |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 2.5  | 95       |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.8    | 2.5  | 98       |     | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 8800   | 1000 |          | 4   | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          | 0   | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170613 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 7200   | 1000 |          | 1   | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          | 0   | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170613 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.7   | 1    |          | 1   | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.021  | 0.02 |          | 3   | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.9    | 1    |          | 1   | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.2    | 1    |          | NC  | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.8    | 1    |          | 3   | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 18300  | 1000 | 91       |     | 20170613 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1040   | 50   | 104      |     | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10200  | 1000 | 102      |     | 20170613 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10300  | 1000 | 103      |     | 20170613 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 17400  | 1000 | 102      |     | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1020   | 50   | 102      |     | 20170613 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10500  | 1000 | 105      |     | 20170613 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10500  | 1000 | 105      |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 109    | 1    | 92       |     | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.1   | 2.5  | 102      |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 9.9    | 2.5  | 99       |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.7   | 1    | 101      |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.6   | 0.16 | 99       |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.6   | 1    | 95       |     | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.5   | 1    | 94       |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.3   | 1    | 103      |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.9   | 0.1  | 95       |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.5   | 2.5  | 94       |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 98.2   | 1    | 93       |     | 20170613 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.2   | 2.5  | 100      |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.7   | 0.02 | 103      |     | 20170613 |
| Total Recoverable Chromiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10     | 2.5  | 100      |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.9   | 1    | 103      |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.1   | 0.16 | 98       |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.5   | 1    | 98       |     | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.8   | 1    | 95       |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.9   | 1    | 102      |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.9   | 0.1  | 96       |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.1   | 2.5  | 100      |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 9.7    | 2.5  | 97       |     | 20170613 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170613 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170613 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20170613 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.19   | 0.5  | 104      |     | 20170613 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | МВ      | <1     | 1    |          |     | 20170613 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 25.5   | 1    |          | 4   | 20170613 |

| Analyte                | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Sulfate as SO4         | Water  | NONE   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170613 |
| Sulfate as SO4         | Water  | NONE   | 200.7 (W)  | DUP     | 5.1    | 1    |          | 2   | 20170613 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 426    | 20   | 99       |     | 20170523 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170523 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20170530 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170530 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170606 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170606 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170615 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170615 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | DUP     | 404    | 10   |          | 5   | 20170615 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170606 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170606 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170606 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170530 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170530 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Chloride               | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170613 |
| Nitrate as N           | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170613 |
| Sulfate                | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Turbidity Lab          | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170613 |
| Chloride               | Water  | METHOD | 300        | LCS     | 4.7    | 1    | 94       |     | 20170613 |
| Nitrate as N           | Water  | METHOD | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170613 |
| Sulfate                | Water  | METHOD | 300        | LCS     | 4.82   | 0.1  | 96       |     | 20170613 |
| Turbidity Lab          | Water  | NONE   | 180.1      | LCS     | 6.36   | 0.1  | 98       |     | 20170613 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | DUP     | 1.56   | 0.1  |          | 1   | 20170613 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.51   | 0.1  | 97       |     | 20170613 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.52   | 0.1  | 97       | 1   | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.5   | 1    | 95       |     | 20170613 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 0.05 | 100      |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.8   | 0.16 | 104      |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 1    | 100      |     | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.6   | 1    | 105      |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 0.1  | 99       |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.4   | 2.5  | 104      |     | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 129    | 50   |          | 4   | 20170613 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 10.9   | 1    |          | 1   | 20170613 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 12.5   | 0.05 |          | 1   | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 12.1   | 1    |          | 2   | 20170613 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170613 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170613 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 100      |     | 20170613 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 106    | 1    | 95       |     | 20170613 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 118    | 0.05 | 105      |     | 20170613 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.8   | 0.02 | 107      |     | 20170613 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.6   | 1    | 101      |     | 20170613 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.2   | 0.16 | 102      |     | 20170613 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 37.7   | 1    | 102      |     | 20170613 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 1    | 100      |     | 20170613 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 55.1   | 1    | 110      |     | 20170613 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 99       |     | 20170613 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 2.5  | 100      |     | 20170613 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.8   | 2.5  | 108      |     | 20170613 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170613 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170613 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170613 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.44   | 0.5  | 89       |     | 20170613 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170615 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170615 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170615 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170615 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170615 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170615 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170615 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170615 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170615 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170615 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170615 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170615 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170615 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 234    | 5    | 100      |     | 20170615 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170615 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.46   | 0.05 | 98       |     | 20170615 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170615 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.82   | 0.1  | 96       |     | 20170615 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.36   | 0.1  | 98       |     | 20170615 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170615 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170615 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170615 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170615 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170615 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170615 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170615 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170615 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170615 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170615 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170615 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170615 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170615 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.21   | 0.2  | 84       |     | 20170615 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4960   | 10   | 99       |     | 20170615 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170615 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 2.5  | 101      |     | 20170615 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20170615 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170615 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.8   | 0.16 | 104      |     | 20170615 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 1    | 100      |     | 20170615 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170615 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.6   | 1    | 105      |     | 20170615 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 0.1  | 99       |     | 20170615 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170615 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.4   | 2.5  | 104      |     | 20170615 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | DUP     | <0.80  | 0.8  |          | 0   | 20170615 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 16.3   | 0.8  | 81       |     | 20170615 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170613 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170613 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.36   | 0.1  | 98       |     | 20170613 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.73   | 0.1  |          | 6   | 20170613 |

| Analyte                     | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170613 |
| Total Recoverable Magnesiเ  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170613 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170613 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170613 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170613 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170613 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170613 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170613 |
| Total Recoverable Magnesiเ  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170613 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170613 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.5   | 1    | 95       |     | 20170613 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20170613 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 98       |     | 20170613 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.8   | 0.16 | 104      |     | 20170613 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 1    | 100      |     | 20170613 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170613 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 2.5  | 98       |     | 20170613 |
| Sulfate as SO4              | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170613 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170607 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170607 |
| Total Recoverable Antimony  | Soil   | EPA 3050B              | 6010-C     | MB      | <4     | 4    |          |     | 20170614 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B              | 6010-C     | MB      | <4     | 4    |          |     | 20170614 |
| Total Recoverable Beryllium |        | EPA 3050B              | 6010-C     | MB      | <0.2   | 0.2  |          |     | 20170614 |
| Total Recoverable Cadmium   |        | EPA 3050B              | 6010-C     | MB      | <0.2   | 0.2  |          |     | 20170614 |
| Total Chromium              | Soil   | EPA 3050B              | 6010-C     | MB      | <0.8   | 0.8  |          |     | 20170614 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B              | 6010-C     | MB      | <0.4   | 0.4  |          |     | 20170614 |
| Total Recoverable Copper    | Soil   | EPA 3050B              | 6010-C     | MB      | <0.8   | 0.8  |          |     | 20170614 |
| Total Recoverable Lead      | Soil   | EPA 3050B              | 6010-C     | MB      | <2     | 2    |          |     | 20170614 |
| Total Recoverable Mangane   |        | EPA 3050B              | 6010-C     | MB      | <0.2   | 0.2  |          |     | 20170614 |
| Total Recoverable Nickel    | Soil   | EPA 3050B              | 6010-C     | MB      | <0.8   | 8.0  |          |     | 20170614 |
| Total Recoverable Selenium  | Soil   | EPA 3050B              | 6010-C     | MB      | <4     | 4    |          |     | 20170614 |

| Analyte                     | Matrix |           | Method | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|--------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20170614 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | MB      | <2     | 2    |          |     | 20170614 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20170614 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | MB      | <1.0   | 1    |          |     | 20170614 |
| Mercury Total               | Soil   | METHOD    | 7471-B | MB      | <0.02  | 0.02 |          |     | 20170614 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | LCS     | 54.5   | 4    | 52       |     | 20170614 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | LCS     | 103    | 4    | 104      |     | 20170614 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | LCS     | 62.2   | 0.2  | 94       |     | 20170614 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | LCS     | 135    | 0.2  | 92       |     | 20170614 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | LCS     | 171    | 0.8  | 94       |     | 20170614 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | LCS     | 150    | 0.4  | 93       |     | 20170614 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | LCS     | 97.8   | 0.8  | 92       |     | 20170614 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | LCS     | 117    | 2    | 90       |     | 20170614 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | LCS     | 401    | 0.2  | 98       |     | 20170614 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | LCS     | 139    | 0.8  | 93       |     | 20170614 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | LCS     | 141    | 4    | 92       |     | 20170614 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | LCS     | 39.6   | 0.8  | 97       |     | 20170614 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | LCS     | 157    | 2    | 90       |     | 20170614 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C | LCS     | 93.5   | 0.8  | 97       |     | 20170614 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | LCS     | 176    | 1    | 92       |     | 20170614 |
| Mercury Total               | Soil   | METHOD    | 7471-B | LCS     | 0.516  | 0.02 | 103      |     | 20170614 |
| Mercury Total               | Soil   | METHOD    | 7471-B | LCS     | 7.17   | 0.38 | 101      |     | 20170614 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | DUP     | <4.0   | 4    |          | 0   | 20170614 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | DUP     | <4.0   | 4    |          | 0   | 20170614 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | DUP     | 0.6    | 0.2  |          | 4   | 20170614 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | DUP     | 21.4   | 0.2  |          | 3   | 20170614 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | DUP     | 2.04   | 0.81 |          | 2   | 20170614 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | DUP     | 41.5   | 0.4  |          | 2   | 20170614 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | DUP     | 43.6   | 0.81 |          | 4   | 20170614 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | DUP     | 3.7    | 2    |          | 11  | 20170614 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | DUP     | 17300  | 0.2  |          | 2   | 20170614 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | DUP     | 199    | 0.81 |          | 2   | 20170614 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | DUP     | 6.3    | 4    |          | 2   | 20170614 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | DUP     | <0.81  | 0.81 |          | 0   | 20170614 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | DUP     | 3.5    | 2    |          | 5   | 20170614 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C | DUP     | <0.81  | 0.81 |          | 0   | 20170614 |

| Analyte                     | Matrix | Prep      | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C     | DUP     | 2470   | 1    |          | 3   | 20170614 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C     | MS      | 59.6   | 4.1  | 59       |     | 20170614 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C     | MS      | 94.3   | 4.1  | 93       |     | 20170614 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C     | MS      | 10     | 0.2  | 93       |     | 20170614 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C     | MS      | 31.1   | 0.2  | 89       |     | 20170614 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C     | MS      | 40.3   | 0.81 | 95       |     | 20170614 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C     | MS      | 129    | 0.41 | 86       |     | 20170614 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C     | MS      | 90.6   | 0.81 | 89       |     | 20170614 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C     | MS      | 85.6   | 2    | 81       |     | 20170614 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C     | MS      | 17200  | 0.2  | -489     |     | 20170614 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C     | MS      | 286    | 0.81 | 82       |     | 20170614 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C     | MS      | 87     | 4.1  | 79       |     | 20170614 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C     | MS      | 7.4    | 0.81 | 73       |     | 20170614 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C     | MS      | 19     | 2    | 75       |     | 20170614 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C     | MS      | 99.9   | 0.81 | 98       |     | 20170614 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C     | MS      | 2560   | 1    | 13       |     | 20170614 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <4.0   | 4    |          |     | 20170530 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | LCS     | 438    | 20   | 102      |     | 20170530 |
| Ammonia as N                | Water  | METHOD    | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170613 |
| Ammonia as N                | Water  | METHOD    | 4500-NH3 G | LCS     | 10     | 0.5  | 98       |     | 20170613 |
| Ammonia as N                | Water  | METHOD    | 4500-NH3 G | DUP     | 1.65   | 0.1  |          | 1   | 20170613 |
| Ammonia as N                | Water  | METHOD    | 4500-NH3 G | MS      | 3.64   | 0.1  | 99       |     | 20170613 |
| Ammonia as N                | Water  | METHOD    | 4500-NH3 G | DMS     | 3.62   | 0.1  | 98       | 1   | 20170613 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <1.0   | 1    |          |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | MB      | <1.0   | 1    |          |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | LCS     | 396    | 20   | 92       |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | МВ      | <1.0   | 1    |          |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | МВ      | <1.0   | 1    |          |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | LCS     | 396    | 20   | 92       |     | 20170531 |
| Total Suspended Solids      | Water  | NONE      | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170531 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170619 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170619 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170619 |
| Nitrate as N               |        | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170619 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170619 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170619 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170619 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 125    | 5    | 101      |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10     | 0.5  | 98       |     | 20170619 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170619 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170619 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170619 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.07   | 0.1  | 93       |     | 20170619 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.41   | 0.1  |          | 3   | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.98   | 0.1  | 99       |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.98   | 0.1  | 99       | 1   | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2420   | 50   | 97       |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.5   | 1    | 95       |     | 20170619 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.4   | 2.5  | 101      |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.5   | 0.1  | 106      |     | 20170619 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 98       |     | 20170619 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.8   | 0.16 | 104      |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.1   | 1    | 100      |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.6   | 1    | 105      |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 0.1  | 99       |     | 20170619 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 2.5  | 98       |     | 20170619 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.4   | 2.5  | 104      |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.1   | 1    |          | 8   | 20170619 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | NC  | 20170619 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 14  | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1060   | 50   | 106      |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 105    | 1    | 93       |     | 20170619 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.3   | 2.5  | 103      |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.5   | 0.1  | 106      |     | 20170619 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.2   | 2.5  | 102      |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.7   | 1    | 102      |     | 20170619 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.2   | 0.16 | 104      |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.1   | 1    | 100      |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.7   | 1    | 99       |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 53.2   | 1    | 106      |     | 20170619 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 99       |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 2.5  | 99       |     | 20170619 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.14   | 0.5  | 103      |     | 20170619 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170619 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 14.9   | 1    |          | 1   | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170612 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.97   | 0.5  | 98       |     | 20170612 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170602 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170602 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170602 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170602 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170602 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.14   | 0.1  | 103      |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 0.9    | 0.2  |          | 1   | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 63     | 10   |          | 5   | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 5.1    | 0.2  | 105      |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 5.09   | 0.2  | 104      | 1   | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.5   | 1    | 95       |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 1    | 100      |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170602 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170602 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 417    | 10   |          | 2   | 20170602 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170602 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170602 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170622 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170622 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170622 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170622 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170622 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170622 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170622 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170622 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 234    | 5    | 100      |     | 20170622 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170622 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170622 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170622 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.85   | 0.1  | 97       |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.1    | 0.1  | 94       |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.67   | 0.1  |          | 1   | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.63   | 0.1  | 97       |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.62   | 0.1  | 97       | 1   | 20170622 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170622 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170622 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170622 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170622 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.78   | 0.2  | 96       |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 100      |     | 20170622 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 2.5  | 103      |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 103      |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.1   | 0.16 | 102      |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 1    | 102      |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.6   | 1    | 105      |     | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 2.5  | 100      |     | 20170622 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.4   | 2.5  | 104      |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170619 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170619 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170619 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 96       |     | 20170619 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170619 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.85   | 0.1  | 97       |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.1    | 0.1  | 94       |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170619 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20170619 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170619 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 100      |     | 20170619 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98.2   | 1    | 98       |     | 20170619 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 102    | 0.05 | 102      |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.4   | 0.02 | 106      |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 103      |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.1   | 0.16 | 102      |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 1    | 102      |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.6   | 1    | 105      |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.9   | 2.5  | 100      |     | 20170619 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.4   | 2.5  | 104      |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 84     | 50   |          | 9   | 20170619 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.9    | 1    |          | 3   | 20170619 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.9   | 0.05 |          | 1   | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | NC  | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.6   | 1    |          | 1   | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1130   | 50   | 104      |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 106    | 1    | 96       |     | 20170619 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 118    | 0.05 | 104      |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.8   | 0.02 | 107      |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.6   | 1    | 101      |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.2   | 0.16 | 102      |     | 20170619 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 37.7   | 1    | 104      |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25     | 1    | 100      |     | 20170619 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 55.1   | 1    | 110      |     | 20170619 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.3   | 0.1  | 99       |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.9   | 2.5  | 100      |     | 20170619 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170619 |
| Mercury Total              | Water  | METHOD                 | 1631      | MS      | 50.4   | 1    | 101      |     | 20170619 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury Total              |        | METHOD                 | 1631       | DMS     | 50.6   | 1    | 101      | 1   | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170619 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170619 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.1    | 0.1  | 94       |     | 20170619 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170619 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170619 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170619 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170619 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170619 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170619 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170619 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98.2   | 1    | 98       |     | 20170619 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170619 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 103      |     | 20170619 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.1   | 0.16 | 102      |     | 20170619 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 1    | 102      |     | 20170619 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170619 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 2.5  | 100      |     | 20170619 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170619 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.65   | 0.1  |          | 1   | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.67   | 0.1  | 101      |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.65   | 0.1  | 100      | 1   | 20170614 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170608 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 410    | 20   | 96       | 1   | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20170608 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 410    | 20   | 96       | 1   | 20170608 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.26   | 0.1  |          | 1   | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.31   | 0.1  | 102      |     | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.29   | 0.1  | 101      | 1   | 20170614 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170626 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.04   | 0.1  | 93       |     | 20170626 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.32   | 0.1  | 97       |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170626 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170626 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170626 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.40  | 0.4  |          |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170626 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170626 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11900  | 1000 | 95       |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 97       |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.3   | 1    | 94       |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.02 | 104      |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 103      |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 0.16 | 100      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.4  | 105      |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 1    | 100      |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 2.5  | 96       |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 49.6   | 1    | 99       |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 49.4   | 1    | 99       | 1   | 20170626 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.14   | 0.5  | 103      |     | 20170626 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170620 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170620 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170620 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170620 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170626 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170626 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170626 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170626 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170626 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170626 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 234    | 5    | 100      |     | 20170626 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.4    | 0.05 | 96       |     | 20170626 |
| Nitrite as N               | Water  | METHOD                 | 300       | LCS     | 2.41   | 0.05 | 97       |     | 20170626 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 7.68   |      | 100      |     | 20170626 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.92   | 0.1  | 98       |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.04   | 0.1  | 93       |     | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.32   | 0.1  | 97       |     | 20170626 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | DUP     | 7.03   |      |          | 1   | 20170626 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 170    | 1    |          | 6   | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.40  | 0.4  |          |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 4780   | 50   | 96       |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2520   | 50   | 101      |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.8   | 2.5  | 106      |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.1   | 0.02 | 104      |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 103      |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 0.16 | 100      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.1   | 0.4  | 105      |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 1    | 100      |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.8   | 1    | 102      |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.7   | 2.5  | 107      |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 7470-À    | LCS     | 4.69   | 0.2  | 94       |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          |     | 20170626 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | MS      | 4.38   | 0.2  | 88       |     | 20170626 |

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170612 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170612 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170612 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170612 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170612 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | 2      | 2    |          |     | 20170626 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170626 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Chloride                   | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170626 |
| Color                      | Water  | NONE   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170626 |
| Nitrate as N               | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170626 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170626 |
| Sulfate                    | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Turbidity Lab              | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170626 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170626 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170626 |
| Chloride                   | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 98       |     | 20170626 |
| Color                      | Water  | NONE   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170626 |
| Nitrate as N               | Water  | METHOD | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170626 |
| Sulfate                    | Water  | METHOD | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170626 |
| Turbidity Lab              | Water  | NONE   | 180.1      | LCS     | 6.04   | 0.1  | 93       |     | 20170626 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20170626 |
| Sulfate                    | Water  | METHOD | 300        | LCS     | 5.14   | 0.1  | 103      |     | 20170626 |
| Turbidity Lab              | Water  | NONE   | 180.1      | LCS     | 6.32   | 0.1  | 97       |     | 20170626 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | DUP     | 30.6   | 5    |          | 1   | 20170626 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170626 |
| Color                      | Water  | NONE   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170626 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 61     | 10   |          | 1   | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.99   | 0.1  | 100      |     | 20170626 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.97   | 0.1  | 99       | 1   | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170626 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.40  | 0.4  |          |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170626 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170626 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.7   | 1    | 93       |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 2.5  | 103      |     | 20170626 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 0.02 | 104      |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 10.3   | 2.5  | 103      |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 0.16 | 101      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 0.4  | 107      |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 1    | 100      |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 1    | 103      |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 0.1  | 99       |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 2.5  | 94       |     | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.7   | 2.5  | 107      |     | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 12500  | 1000 |          | 1   | 20170626 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 50     | 50   |          | NC  | 20170626 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1000   | 1000 |          | 1   | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 23000  | 1000 |          | 2   | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 74     | 50   |          | 5   | 20170626 |
| Total Recoverable Magnesiι | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 2100   | 1000 |          | 2   | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 4000   | 1000 |          | 1   | 20170626 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 20.6   | 1    |          | 2   | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 4.8    | 1    |          | NC  | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.53   | 0.4  |          | 4   | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.6    | 2.5  |          | NC  | 20170626 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 21.8   | 1    |          | 3   | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.49   | 0.4  |          | 2   | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 22700  | 1000 | 102      |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1060   | 50   | 106      |     | 20170626 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10800  | 1000 | 98       |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11000  | 1000 | 110      |     | 20170626 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 32700  | 1000 | 92       |     | 20170626 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1120   | 50   | 104      |     | 20170626 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 12000  | 1000 | 99       |     | 20170626 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14100  | 1000 | 100      |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 110    | 1    | 89       |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52     | 2.5  | 104      |     | 20170626 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.5   | 0.02 | 102      |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.1   | 2.5  | 101      |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.4   | 1    | 107      |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.4   | 0.16 | 101      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 28.3   | 0.4  | 107      |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.5   | 1    | 98       |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.9   | 1    | 102      |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.1   | 0.1  | 96       |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.6   | 2.5  | 95       |     | 20170626 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 113    | 1    | 92       |     | 20170626 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.8   | 2.5  | 106      |     | 20170626 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20170626 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.5   | 2.5  | 105      |     | 20170626 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.2   | 1    | 106      |     | 20170626 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.5   | 0.16 | 103      |     | 20170626 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 35.9   | 0.4  | 105      |     | 20170626 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.9   | 1    | 100      |     | 20170626 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.9   | 1    | 102      |     | 20170626 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 0.1  | 100      |     | 20170626 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.7   | 2.5  | 95       |     | 20170626 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 11.7   | 2.5  | 117      |     | 20170626 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20170626 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | DUP     | 6.1    | 1    |          | 1   | 20170626 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170626 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170626 |
| Mercury Dissolved          | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170626 |
|                            | Water  | METHOD                 | 1631      | QCS     | 5.14   | 0.5  | 103      |     | 20170626 |
|                            | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170615 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <5.0   | 5    |          |     | 20170615 |
|                            | Water  | NONE                   | 2540-D    | MB      | <1.0   | 1    |          |     | 20170615 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1610   | 10   | 98       |     | 20170615 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 408    | 20   | 95       |     | 20170615 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 408    | 20   | 95       | 1   | 20170615 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170622 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.04   | 0.1  | 93       |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.32   | 0.1  | 97       |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170622 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170622 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.40  | 0.4  |          |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170622 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11900  | 1000 | 95       |     | 20170622 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 97       |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.3   | 1    | 94       |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.02 | 104      |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 103      |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 0.16 | 100      |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.4  | 105      |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 1    | 100      |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 2.5  | 96       |     | 20170622 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.14   | 0.5  | 103      |     | 20170622 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170614 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170614 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170614 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170614 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20170614 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 408    | 20   | 95       | 1   | 20170614 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170622 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170622 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170622 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.85   | 0.5  | 97       |     | 20170622 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170622 |
|                            | Water  | METHOD                 | 300        | LCS     | 5.14   | 0.1  | 103      |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.04   | 0.1  | 93       |     | 20170622 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.32   | 0.1  | 97       |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.40  | 0.4  |          |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.3   | 1    | 94       |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.02 | 104      |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 103      |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 0.16 | 100      |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.1   | 0.4  | 105      |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 1    | 100      |     | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 1    | 102      |     | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 0.1  | 98       |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 2.5  | 96       |     | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 101    | 50   |          | 5   | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 8.3    | 1    |          | 1   | 20170622 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 11.3   | 0.4  |          | 1   | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170622 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 99       |     | 20170622 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 103    | 1    | 94       |     | 20170622 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.02 | 104      |     | 20170622 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 102      |     | 20170622 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.2   | 0.16 | 100      |     | 20170622 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 37.4   | 0.4  | 104      |     | 20170622 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 1    | 100      |     | 20170622 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 1    | 103      |     | 20170622 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 98       |     | 20170622 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170622 |
|                            | Water  | METHOD                 | 1631       | QCS     | 5.14   | 0.5  | 103      |     | 20170622 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170621 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170621 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170621 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170621 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170621 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170703 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170703 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170703 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170703 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.4    | 1    | 92       |     | 20170703 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170703 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20170703 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.06   | 0.1  | 93       |     | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170703 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97.7   | 1    | 98       |     | 20170703 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 0.02 | 96       |     | 20170703 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170703 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.2   | 0.16 | 92       |     | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170703 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170703 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.4   | 1    | 97       |     | 20170703 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 94       |     | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 66     | 50   |          | 3   | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 6.1    | 1    |          | 1   | 20170703 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170703 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170703 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 11.7   | 1    |          | 2   | 20170703 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170703 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170703 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 102      |     | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 103    | 1    | 97       |     | 20170703 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.1   | 0.02 | 97       |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.6   | 1    | 101      |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.2   | 0.16 | 92       |     | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 37.9   | 1    | 104      |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.6   | 1    | 98       |     | 20170703 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.6   | 1    | 99       |     | 20170703 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.4   | 0.1  | 91       |     | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20170703 |
| ,                          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
|                            | Water  | METHOD                 | 1631       | MS      | 53.4   | 1    | 107      |     | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 52.7   | 1    | 105      | 1   | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.3    | 0.5  | 106      |     | 20170703 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170703 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170703 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170703 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.4    | 1    | 92       |     | 20170703 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170703 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.06   | 0.1  | 93       |     | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170703 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170703 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170703 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170703 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170703 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170703 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170703 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97.7   | 1    | 98       |     | 20170703 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 0.02 | 96       |     | 20170703 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170703 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.2   | 0.16 | 92       |     | 20170703 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170703 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170703 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170703 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.3    | 0.5  | 106      |     | 20170703 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170703 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170705 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170705 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170705 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170705 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170705 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170705 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170705 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.20  | 0.2  |          |     | 20170705 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170705 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170705 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170705 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.75   | 0.5  | 96       |     | 20170705 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170705 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 234    | 5    | 100      |     | 20170705 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170705 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20170705 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170705 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20170705 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170705 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.01   |      |          | 1   | 20170705 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170705 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170705 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170705 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170705 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170705 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170705 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170705 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170705 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170705 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10   | 0.1  |          |     | 20170705 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20170705 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20170705 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20   | 0.2  |          |     | 20170705 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5160    | 10   | 103      |     | 20170705 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460    | 50   | 98       |     | 20170705 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6    | 2.5  | 103      |     | 20170705 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9    | 0.02 | 96       |     | 20170705 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6    | 1    | 101      |     | 20170705 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.2    | 0.16 | 92       |     | 20170705 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2    | 1    | 105      |     | 20170705 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4    | 1    | 98       |     | 20170705 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.4    | 1    | 97       |     | 20170705 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7    | 0.1  | 94       |     | 20170705 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3    | 2.5  | 97       |     | 20170705 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10      | 2.5  | 100      |     | 20170705 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 5.31    | 0.2  | 106      |     | 20170705 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0    | 2    |          |     | 20170710 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0    | 5    |          |     | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170710 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0    | 1    |          |     | 20170710 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0    | 5    |          |     | 20170710 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170710 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10   | 0.1  |          |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.20   | 0.2  |          |     | 20170710 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0    | 5    |          |     | 20170710 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170710 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0    | 1    |          |     | 20170710 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640    | 10   | 100      |     | 20170710 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 123     | 5    | 99       |     | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 1.95    | 0.1  | 96       |     | 20170710 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8     | 1    | 97       |     | 20170710 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35      | 5    | 100      |     | 20170710 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39    | 0.05 | 95       |     | 20170710 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170710 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170710 |
|                            | Water  | NONE                   | 2540-C     | DUP     | 379    | 10   |          | 3   | 20170710 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 63.4   | 5    |          | 1   | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.93   | 0.1  |          | 1   | 20170710 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.92   | 0.1  | 99       |     | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.9    | 0.1  | 98       | 1   | 20170710 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170710 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 20   | 100      |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97.7   | 1    | 98       |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 0.02 | 96       |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170710 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.2   | 0.16 | 92       |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.4   | 1    | 97       |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20170710 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 84800  | 20   |          | 1   | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | <50    | 50   |          |     | 20170710 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 17.7   | 1    |          | 2   | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.022  | 0.02 |          | NC  | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.7    | 1    |          | 3   | 20170710 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170710 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 92700  | 20   | 81       |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1050   | 50   | 105      |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 113    | 1    | 96       |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 0.02 | 97       |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 101      |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.4   | 0.16 | 93       |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 32.9   | 1    | 102      |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.5   | 1    | 98       |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.9   | 1    | 98       |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 2.5  | 99       |     | 20170710 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
|                            | Water  | METHOD                 | 1631       | MS      | 54.6   | 1    | 106      |     | 20170710 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | DMS     | 55.5   | 1    | 108      | 2   | 20170710 |
|                            | Water  | METHOD                 | 1631       | QCS     | 5.52   | 0.5  | 110      |     | 20170710 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 1.95   | 0.1  | 96       |     | 20170710 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.21   | 0.1  | 95       |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170710 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170710 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170710 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <2.5   | 2.5  |          |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 102      |     | 20170710 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20170710 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.6   | 1    | 92       |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 90     | 50   |          | 1   | 20170710 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 4400   | 1000 |          | 1   | 20170710 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 12100  | 1000 |          | 2   | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1120   | 50   | 103      |     | 20170710 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 14800  | 1000 | 105      |     | 20170710 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 22700  | 1000 | 107      |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.3    | 0.5  | 106      |     | 20170710 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170710 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 42.7   | 1    |          | 1   | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170710 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 1.95   | 0.1  | 96       |     | 20170710 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170710 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.09   | 0.1  | 102      |     | 20170710 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.21   | 0.1  | 95       |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170710 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170710 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170710 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170710 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170710 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2540   | 50   | 102      |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 91.6   | 1    | 92       |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 0.02 | 100      |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.3   | 1    | 107      |     | 20170710 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.8   | 0.16 | 98       |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20170710 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 1    | 102      |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51     | 1    | 102      |     | 20170710 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 0.1  | 99       |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 2.5  | 101      |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 1    |          | 13  | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.2    | 1    |          | 3   | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170710 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170710 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 100    | 1    | 94       |     | 20170710 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.1   | 0.02 | 101      |     | 20170710 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13     | 1    | 104      |     | 20170710 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.8   | 0.16 | 98       |     | 20170710 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 33.7   | 1    | 97       |     | 20170710 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25     | 1    | 100      |     | 20170710 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.2   | 1    | 104      |     | 20170710 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.3   | 0.1  | 99       |     | 20170710 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.4   | 2.5  | 94       |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170710 |
| Mercury Total              | Water  | METHOD                 | 1631      | QCS     | 5.3    | 0.5  | 106      |     | 20170710 |

|                            | Matrix   | Prep | Method    | QC Type | Result  | MRL   | Recovery | RPD |          |
|----------------------------|----------|------|-----------|---------|---------|-------|----------|-----|----------|
| Sulfate as SO4             | Water    | NONE | 200.7 (W) | MB      | <1      | 1     |          |     | 20170710 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | MB      | <10     | 10    |          |     | 20170623 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | MB      | <10     | 10    |          |     | 20170623 |
| Total Suspended Solids     | Water    | NONE | 2540-D    | MB      | <4.0    | 4     |          |     | 20170623 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | LCS     | 1620    | 10    | 99       |     | 20170623 |
| Total Suspended Solids     | Water    | NONE | 2540-D    | LCS     | 424     | 20    | 99       |     | 20170623 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | MB      | <10     | 10    |          |     | 20170623 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | MB      | <10     | 10    |          |     | 20170623 |
| Total Suspended Solids     | Water    | NONE | 2540-D    | MB      | <4.0    | 4     |          |     | 20170623 |
| Total Dissolved Solids     | Water    | NONE | 2540-C    | LCS     | 1620    | 10    | 99       |     | 20170623 |
| Total Suspended Solids     | Water    | NONE | 2540-D    | LCS     | 424     | 20    | 99       |     | 20170623 |
| Total Recoverable Arsenic  | Misc. So | olid | 6010-C    | MB      | <0.050  | 0.05  |          |     | 20170630 |
|                            | Misc. So |      | 6010-C    | MB      | <1.0    | 1     |          |     | 20170630 |
| Total Recoverable Cadmium  |          |      | 6010-C    | MB      | <0.050  | 0.05  |          |     | 20170630 |
| Total Chromium             | Misc. So | olid | 6010-C    | MB      | <0.050  | 0.05  |          |     | 20170630 |
| Total Recoverable Lead     | Misc. So |      | 6010-C    | MB      | <0.050  | 0.05  |          |     | 20170630 |
| Total Recoverable Selenium | Misc. So | olid | 6010-C    | MB      | <0.10   | 0.1   |          |     | 20170630 |
| Total Recoverable Silver   | Misc. So | olid | 6010-C    | MB      | <0.050  | 0.05  |          |     | 20170630 |
| Mercury Total              | Misc. So | olid | 7470-A    | MB      | <0.0010 | 0.001 |          |     | 20170630 |
| Total Recoverable Arsenic  | Misc. So | olid | 6010-C    | LCS     | 4.75    | 0.05  | 95       |     | 20170630 |
|                            | Misc. So |      | 6010-C    | LCS     | 9.5     | 1     | 95       |     | 20170630 |
| Total Recoverable Cadmium  |          |      | 6010-C    | LCS     | 0.923   | 0.05  | 92       |     | 20170630 |
| Total Chromium             | Misc. So | olid | 6010-C    | LCS     | 4.72    | 0.05  | 94       |     | 20170630 |
| Total Recoverable Lead     | Misc. So | olid | 6010-C    | LCS     | 4.4     | 0.05  | 88       |     | 20170630 |
| Total Recoverable Selenium | Misc. So | olid | 6010-C    | LCS     | 0.87    | 0.1   | 87       |     | 20170630 |
|                            | Misc. So |      | 6010-C    | LCS     | 0.864   | 0.05  | 86       |     | 20170630 |
| ,                          | Misc. So | olid | 7470-A    | LCS     | 0.0048  | 0.001 | 96       |     | 20170630 |
| Total Recoverable Arsenic  | Misc. So | olid | 6010-C    | DUP     | <0.050  | 0.05  |          |     | 20170630 |
| Total Recoverable Barium   | Misc. So | olid | 6010-C    | DUP     | <1.0    | 1     |          |     | 20170630 |
| Total Recoverable Cadmium  | Misc. So | olid | 6010-C    | DUP     | <0.050  | 0.05  |          |     | 20170630 |
| Total Chromium             | Misc. So | olid | 6010-C    | DUP     | <0.050  | 0.05  |          |     | 20170630 |
|                            | Misc. So |      | 6010-C    | DUP     | <0.050  | 0.05  |          |     | 20170630 |
| Total Recoverable Selenium | Misc. So | olid | 6010-C    | DUP     | <0.10   | 0.1   |          |     | 20170630 |
| Total Recoverable Silver   | Misc. So | olid | 6010-C    | DUP     | <0.050  | 0.05  |          |     | 20170630 |
| Mercury Total              | Misc. So | olid | 7470-A    | DUP     | <0.0010 | 0.001 |          |     | 20170630 |
| Total Recoverable Arsenic  | Misc. So | olid | 6010-C    | MS      | 4.69    | 0.05  | 94       |     | 20170630 |

| Analyte                    | Matrix   | Prep   | Method     | QC Type | Result | MRL   | Recovery | RPD | Date     |
|----------------------------|----------|--------|------------|---------|--------|-------|----------|-----|----------|
| Total Recoverable Barium   | Misc. So | olid   | 6010-C     | MS      | 9.5    | 1     | 95       |     | 20170630 |
| Total Recoverable Cadmium  | Misc. So | olid   | 6010-C     | MS      | 0.899  | 0.05  | 90       |     | 20170630 |
| Total Chromium             | Misc. So | olid   | 6010-C     | MS      | 4.68   | 0.05  | 94       |     | 20170630 |
| Total Recoverable Lead     | Misc. So | olid   | 6010-C     | MS      | 4.34   | 0.05  | 87       |     | 20170630 |
| Total Recoverable Selenium | Misc. So | olid   | 6010-C     | MS      | 0.85   | 0.1   | 85       |     | 20170630 |
| Total Recoverable Silver   | Misc. So | olid   | 6010-C     | MS      | 0.851  | 0.05  | 85       |     | 20170630 |
| Mercury Total              | Misc. So | olid   | 7470-A     | MS      | 0.0048 | 0.001 | 96       |     | 20170630 |
| 2-Methylphenol             | Misc. So | olid   | 8270D      | MB      | <0.10  | 0.1   |          |     | 20170630 |
| 4-Methylphenol             | Misc. So | olid   | 8270D      | MB      | <0.10  | 0.1   |          |     | 20170630 |
| Pentachlorophenol          | Misc. So | olid   | 8270D      | MB      | <0.25  | 0.25  |          |     | 20170630 |
| 2-Fluorophenol             | Misc. So | olid   | 8270D      | SURR    | 69     | 0     | 69       |     | 20170630 |
| Phenol-d6                  | Misc. So | olid   | 8270D      | SURR    | 74     | 0     | 74       |     | 20170630 |
| 2,4,6-Tribromophenol       | Misc. So | olid   | 8270D      | SURR    | 86     | 0     | 86       |     | 20170630 |
| 2-Methylphenol             | Misc. So | olid   | 8270D      | MS      | 1.14   | 0.1   | 84       |     | 20170630 |
| 4-Methylphenol             | Misc. So | olid   | 8270D      | MS      | 1.62   | 0.1   | 94       |     | 20170630 |
| Pentachlorophenol          | Misc. So | olid   | 8270D      | MS      | 1.22   | 0.25  | 122      |     | 20170630 |
| 2-Fluorophenol             | Misc. So | olid   | 8270D      | SURR    | 71     | 0     | 71       |     | 20170630 |
| Phenol-d6                  | Misc. So | olid   | 8270D      | SURR    | 77     | 0     | 77       |     | 20170630 |
| 2,4,6-Tribromophenol       | Misc. So | olid   | 8270D      | SURR    | 100    | 0     | 100      |     | 20170630 |
| 2-Methylphenol             | Misc. So | olid   | 8270D      | LCS     | 0.759  | 0.1   | 76       |     | 20170630 |
| 4-Methylphenol             | Misc. So | olid   | 8270D      | LCS     | 0.784  | 0.1   | 78       |     | 20170630 |
| Pentachlorophenol          | Misc. So | olid   | 8270D      | LCS     | 0.766  | 0.25  | 77       |     | 20170630 |
| 2-Fluorophenol             | Misc. So | olid   | 8270D      | SURR    | 71     | 0     | 71       |     | 20170630 |
| Phenol-d6                  | Misc. So | olid   | 8270D      | SURR    | 70     | 0     | 70       |     | 20170630 |
| 2,4,6-Tribromophenol       | Misc. So | olid   | 8270D      | SURR    | 90     | 0     | 90       |     | 20170630 |
| Ammonia as N               | Water    | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1   |          |     | 20170717 |
| Chloride                   | Water    | METHOD | 300        | MB      | <1.0   | 1     |          |     | 20170717 |
| Conductivity               | Water    | NONE   | 2510       | MB      | <5.0   | 5     |          |     | 20170717 |
| Nitrate as N               | Water    | METHOD | 300        | MB      | <0.050 | 0.05  |          |     | 20170717 |
| Nitrite as N               | Water    | METHOD | 300        | MB      | <0.050 | 0.05  |          |     | 20170717 |
| Sulfate                    | Water    | METHOD | 300        | MB      | <0.10  | 0.1   |          |     | 20170717 |
| Turbidity Lab              | Water    | NONE   | 180.1      | MB      | <0.10  | 0.1   |          |     | 20170717 |
| Total Dissolved Solids     | Water    | NONE   | 2540-C     | MB      | <10    | 10    |          |     | 20170717 |
| Conductivity               | Water    | NONE   | 2510       | MB      | <5.0   | 5     |          |     | 20170717 |
|                            | Water    | NONE   | 2540-C     | LCS     | 1670   | 10    | 102      |     | 20170717 |
| Ammonia as N               | Water    | METHOD | 4500-NH3 G | LCS     | 9.75   | 0.5   | 96       |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | METHOD                 | 300       | LCS     | 4.8    | 1    | 96       |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510      | LCS     | 235    | 5    | 100      |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.4    | 0.05 | 96       |     | 20170717 |
| Nitrite as N               | Water  | METHOD                 | 300       | LCS     | 2.38   | 0.05 | 95       |     | 20170717 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 7.65   |      | 99       |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.8    | 0.1  | 96       |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.21   | 0.1  | 95       |     | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5210   | 10   | 104      |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2540   | 50   | 102      |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.4   | 2.5  | 107      |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 0.02 | 100      |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.3   | 1    | 107      |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.8   | 0.16 | 98       |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 1    | 102      |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51     | 1    | 102      |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 0.1  | 99       |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 2.5  | 101      |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-À    | LCS     | 4.88   | 0.2  | 98       |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <2.0   | 2    |          |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300       | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170717 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | NONE                   | 2540-C     | LCS     | 1670   | 10   | 102      |     | 20170717 |
|                            | Water  | METHOD                 | 300        | LCS     | 5.16   | 0.1  | 103      |     | 20170717 |
|                            | Water  | METHOD                 | 300        | DUP     | 0.29   | 0.2  |          | 6   | 20170717 |
|                            | Water  | METHOD                 | 300        | DUP     | 3.16   | 0.2  |          | 3   | 20170717 |
|                            | Water  | METHOD                 | 300        | MS      | 4.6    | 0.2  | 107      |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 7.53   | 0.2  | 107      |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 4.62   | 0.2  | 108      | 1   | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 7.53   | 0.2  | 107      | 1   | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.7   | 1    | 95       |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 0.02 | 102      |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 99       |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 157    | 1    |          | 1   | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 18.9   | 1    |          | 1   | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 256    | 1    | 97       |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 0.02 | 103      |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 43.7   | 1    | 100      |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170717 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170717 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 235    | 5    | 100      |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170717 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170717 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.2    | 0.1  | 95       |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 601    | 10   |          | 1   | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.13   | 0.1  |          | 2   | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 3.2    | 0.1  |          | 2   | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.06   | 0.1  | 96       |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.05   | 0.1  | 96       | 1   | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5210   | 10   | 104      |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 102      |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.4   | 2.5  | 107      |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 1    | 102      |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 0.1  | 99       |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 4.88   | 0.2  | 98       |     | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.2   | 2.5  | 102      |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170717 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170717 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170717 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170717 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.2    | 0.1  | 95       |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170717 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 46     | 5    |          | 1   | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 75     | 10   |          | 4   | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170717 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Cadmiun  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 102      |     | 20170717 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.6   | 1    | 92       |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 1    | 102      |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170717 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170717 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170717 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.93   | 0.5  | 99       |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170711 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170711 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170711 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170711 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.89   | 0.1  | 90       |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.2    | 0.1  | 95       |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170711 |
| Chloride                   | Water  | METHOD                 | 300        | DUP     | <1.0   | 1    |          | NC  | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | DUP     | 0.097  | 0.05 |          | 1   | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 1.36   | 0.1  |          | 1   | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 4      | 4    |          | NC  | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.03   | 0.1  | 101      |     | 20170711 |
| Chloride                   | Water  | METHOD                 | 300        | MS      | 4.4    | 2    | 110      |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | MS      | 4.31   | 0.1  | 105      |     | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 5.66   | 0.2  | 107      |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.01   | 0.1  | 101      | 1   | 20170711 |
| Chloride                   | Water  | METHOD                 | 300        | DMS     | 4.4    | 2    | 109      | 1   | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | DMS     | 4.3    | 0.1  | 105      | 1   | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 5.64   | 0.2  | 107      | 1   | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 102      |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.6   | 1    | 92       |     | 20170711 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 1    | 107      |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20170711 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 1    | 102      |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | <50    | 50   |          | 0   | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 5      | 1    |          | 4   | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1040   | 50   | 104      |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 100    | 1    | 95       |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 0.02 | 102      |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.9   | 1    | 111      |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.3   | 0.16 | 101      |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 1    | 102      |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 1    | 103      |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.8   | 1    | 104      |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 2.5  | 99       |     | 20170711 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.93   | 0.5  | 99       |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170706 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170706 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170706 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20170706 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170706 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170706 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170706 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20170706 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170711 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170711 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.09   | 0.1  | 102      |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 3.04   | 0.1  |          | 10  | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.6   | 1    | 95       |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13     | 1    | 104      |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170711 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20170711 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 0.1  | 92       |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 54     | 50   |          |     | 20170711 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.7    | 1    |          | 5   | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170711 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.7   | 1    |          | 1   | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1060   | 50   | 106      |     | 20170711 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 95.8   | 1    | 89       |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.8   | 0.02 | 91       |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.1   | 0.16 | 92       |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40     | 1    | 92       |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 1    | 93       |     | 20170711 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.5   | 1    | 95       |     | 20170711 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.9   | 0.1  | 88       |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 2.5  | 99       |     | 20170711 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.93   | 0.5  | 99       |     | 20170711 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170711 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 260    | 1    |          | 1   | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170717 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170717 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 97       |     | 20170717 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 235    | 5    | 100      |     | 20170717 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 94       |     | 20170717 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170717 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.09   | 0.1  | 102      |     | 20170717 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170717 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 6.99   |      |          | 1   | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170717 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170717 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5210   | 10   | 104      |     | 20170717 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170717 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 2.5  | 103      |     | 20170717 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170717 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13     | 1    | 104      |     | 20170717 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170717 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170717 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170717 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20170717 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 0.1  | 92       |     | 20170717 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 5.26   | 0.2  | 105      |     | 20170717 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20170717 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170711 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170711 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170711 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170711 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170711 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170711 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170711 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170711 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DLCS    | 424    | 20   | 99       | 2   | 20170711 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 563    | 10   |          | 4   | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170711 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170711 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2530   | 50   | 101      |     | 20170711 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20170711 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 105      |     | 20170711 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.6   | 1    | 95       |     | 20170711 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170711 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13     | 1    | 104      |     | 20170711 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170711 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170711 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170711 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20170711 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 102    | 50   |          | 8   | 20170711 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 4200   | 1000 |          | 1   | 20170711 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 12300  | 1000 |          | 1   | 20170711 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1120   | 50   | 101      |     | 20170711 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 14000  | 1000 | 98       |     | 20170711 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 21900  | 1000 | 96       |     | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | MS      | 51.2   | 1    | 102      |     | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | DMS     | 51.2   | 1    | 102      | 1   | 20170711 |
| Mercury Total               | Water  | METHOD                 | 1631      | QCS     | 5.23   | 0.5  | 105      |     | 20170711 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170711 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | DUP     | 130    | 1    |          | 1   | 20170711 |
| Sulfate as SO4              | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20170711 |
| Sulfate as SO4              | Water  | NONE                   | 200.7 (W) | DUP     | 42.5   | 1    |          | 1   | 20170711 |
| Turbidity Lab               | Water  | NONE                   | 180.1     | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170713 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170713 |
| pH lab                      | Water  | NONE                   | 4500-H-B  | LCS     | 7.69   |      | 100      |     | 20170713 |
| Turbidity Lab               | Water  | NONE                   | 180.1     | LCS     | 6.35   | 0.1  | 98       |     | 20170713 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | LCS     | 418    | 20   | 97       |     | 20170713 |
| Turbidity Lab               | Water  | NONE                   | 180.1     | DUP     | 4.21   | 0.1  |          | 1   | 20170713 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170713 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170713 |
| Total Recoverable Beryllium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170713 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170713 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170713 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Mercury Total               | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170713 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | МВ      | <2.5   | 2.5  |          |     | 20170713 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2530   | 50   | 101      |     | 20170713 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.6   | 2.5  | 103      |     | 20170713 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.53   | 0.02 | 101      |     | 20170713 |

| Analyte                    | Matrix | · ·                    | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 0.02 | 93       |     | 20170713 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13     | 1    | 104      |     | 20170713 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 0.16 | 98       |     | 20170713 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170713 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20170713 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 0.1  | 92       |     | 20170713 |
| Mercury Total              | Water  | METHOD                 | 7470-A     | LCS     | 5.26   | 0.2  | 105      |     | 20170713 |
| Total Recoverable Antimony | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.05 | 98       |     | 20170713 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20170713 |
| Total Recoverable Antimony | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.777  | 0.05 |          | 7   | 20170713 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170713 |
| Total Recoverable Antimony | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.8   | 0.05 | 104      |     | 20170713 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.8   | 2.5  | 107      |     | 20170713 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170713 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170713 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170713 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170713 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170713 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170713 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170713 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.09   | 0.1  | 102      |     | 20170713 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170713 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 420    | 20   | 98       |     | 20170713 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170713 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170713 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170713 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170713 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170713 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170713 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170713 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170713 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170713 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20170713 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2530   | 50   | 101      |     | 20170713 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12800  | 1000 | 102      |     | 20170713 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13100  | 1000 | 105      |     | 20170713 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 94.6   | 1    | 95       |     | 20170713 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 0.02 | 93       |     | 20170713 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13     | 1    | 104      |     | 20170713 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 0.16 | 98       |     | 20170713 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20170713 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20170713 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 1    | 98       |     | 20170713 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 0.1  | 92       |     | 20170713 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 2.5  | 100      |     | 20170713 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 36.7   | 1    |          | 3   | 20170713 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170713 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170713 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 27.6   | 1    |          | 2   | 20170713 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170713 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.8    | 1    |          | 3   | 20170713 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170713 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 131    | 1    | 93       |     | 20170713 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 0.02 | 96       |     | 20170713 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.7   | 1    | 102      |     | 20170713 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.8   | 0.16 | 98       |     | 20170713 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 53.3   | 1    | 101      |     | 20170713 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 1    | 99       |     | 20170713 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.9   | 1    | 102      |     | 20170713 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.8   | 0.1  | 94       |     | 20170713 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170713 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170713 |
| Mercury Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170713 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury Total               | Water  | METHOD                 | 1631       | QCS     | 5.23   | 0.5  | 105      |     | 20170713 |
| Hardness, Total             | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170713 |
| Sulfate as SO4              | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170713 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170726 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170726 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170726 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170726 |
| Nitrite as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170726 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170726 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170726 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170726 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 24.4   | 0.5  | 102      |     | 20170726 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 116    | 5    | 96       |     | 20170726 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170726 |
| Nitrite as N                | Water  | METHOD                 | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20170726 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.96   | 0.2  | 104      |     | 20170726 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | LCS     | 8.78   | 0.1  | 102      |     | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 24.9   | 0.5  | 104      |     | 20170726 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 3790   | 80   | 92       |     | 20170726 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 4270   | 80   | 103      | 12  | 20170726 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.99   | 0.1  |          | 1   | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 4.39   | 0.5  |          | 2   | 20170726 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DUP     | 16.4   | 5    |          | 12  | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.93   | 0.5  |          | 5   | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.9    | 0.5  |          | 1   | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.83   | 0.5  |          | 4   | 20170726 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 13.1   | 0.5  | 101      |     | 20170726 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 31.1   | 0.5  | 107      |     | 20170726 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MS      | 116    | 13   | 101      |     | 20170726 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 13     | 0.5  | 100      | 1   | 20170726 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DMS     | 112    | 13   | 98       | 3   | 20170726 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170726 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170726 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Potassiur |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20170726 |
| ,                           | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9880   | 40   | 99       |     | 20170726 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 25000  | 1000 |          | 2   | 20170726 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 123000 | 40   |          | 1   | 20170726 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 34800  | 1000 | 94       |     | 20170726 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 133000 | 40   | 90       |     | 20170726 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170712 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170712 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170712 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170712 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 388    | 20   | 90       |     | 20170712 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | DUP     | 271    | 10   |          | 1   | 20170712 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170720 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Chloride                    | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170720 |
| Conductivity                | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170720 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170720 |
| Nitrite as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170720 |
| Sulfate                     | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Conductivity                | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170720 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170720 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170720 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170720 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 235    | 5    | 100      |     | 20170720 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170720 |
| Nitrite as N                | Water  | METHOD                 | 300        | LCS     | 2.45   | 0.05 | 98       |     | 20170720 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170720 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20170720 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.18   | 0.1  | 95       |     | 20170720 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170720 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.01   | 0.1  |          | 1   | 20170720 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 2.91   | 0.1  | 94       |     | 20170720 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.89   | 0.1  | 93       | 1   | 20170720 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170720 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170720 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170720 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5220   | 10   | 104      |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2610   | 50   | 104      |     | 20170720 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.2   | 2.5  | 96       |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 0.02 | 99       |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.3   | 0.16 | 99       |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 1    | 96       |     | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.5   | 1    | 97       |     | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 0.1  | 98       |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20170720 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 4.99   | 0.2  | 100      |     | 20170720 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          |     | 20170720 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 10.5   | 2.5  | 105      |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MS      | 4.69   | 0.2  | 94       |     | 20170720 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170712 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170712 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <2.0   | 2    |          |     | 20170712 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1600   | 10   | 98       |     | 20170712 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 388    | 20   | 90       |     | 20170712 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170720 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170720 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170720 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170720 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170720 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.18   | 0.1  | 95       |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20170720 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2610   | 50   | 104      |     | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.4   | 1    | 92       |     | 20170720 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 99       |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.3   | 0.16 | 99       |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.5   | 1    | 97       |     | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 98       |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 78     | 50   |          | 3   | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 10     | 1    |          | 1   | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20170720 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 13.4   | 1    |          | 1   | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | NC  | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 101      |     | 20170720 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 102    | 1    | 92       |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 0.02 | 99       |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 1    | 100      |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.4   | 0.16 | 97       |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 37.5   | 1    | 97       |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.5   | 1    | 98       |     | 20170720 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.1   | 1    | 100      |     | 20170720 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 97       |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 51     | 1    | 102      |     | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50.7   | 1    | 101      | 1   | 20170720 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 4.98   | 0.5  | 100      |     | 20170720 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170720 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 251    | 1    |          | 5   | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170720 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170720 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170720 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170720 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.18   | 0.1  | 95       |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20170720 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170720 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170720 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170720 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2610   | 50   | 104      |     | 20170720 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170720 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 97       |     | 20170720 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.4   | 1    | 92       |     | 20170720 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 99       |     | 20170720 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170720 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.3   | 0.16 | 99       |     | 20170720 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170720 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170720 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MS      | 50     | 1    | 100      |     | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | DMS     | 49.8   | 1    | 100      | 1   | 20170720 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | QCS     | 4.98   | 0.5  | 100      |     | 20170720 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170720 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170727 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170727 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170727 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170727 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170727 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170727 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170727 |
|                            | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170727 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170727 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170727 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170727 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.18   | 0.1  | 95       |     | 20170727 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170727 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170727 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 44     | 5    |          | 1   | 20170727 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.29   | 0.1  |          | 3   | 20170727 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170727 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170727 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2610   | 50   | 104      |     | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.9   | 1    | 95       |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13     | 1    | 104      |     | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.9   | 1    | 98       |     | 20170727 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 2.5  | 101      |     | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 5.7    | 1    |          | 7   | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 96.9   | 1    | 92       |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 0.02 | 97       |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.6   | 1    | 101      |     | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.6   | 0.16 | 97       |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 1    | 100      |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.1   | 1    | 97       |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.7   | 1    | 97       |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 2.5  | 99       |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MS      | 46.7   | 1    | 93       |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | DMS     | 46.2   | 1    | 92       | 1   | 20170727 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20170727 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170727 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170727 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170727 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170727 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170727 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170727 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170727 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170727 |
|                            | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170727 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20170727 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170727 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170727 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170727 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20170727 |
| ,                          | Water  | NONE                   | 180.1      | LCS     | 6.18   | 0.1  | 95       |     | 20170727 |
|                            | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170727 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.4   | 0.5  | 102      |     | 20170727 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.01   | 0.1  | 101      |     | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.99   | 0.1  | 99       | 2   | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170727 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.4   | 1    | 92       |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 99       |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.3   | 0.16 | 99       |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 1    | 96       |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.5   | 1    | 97       |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170727 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2600   | 50   | 104      |     | 20170727 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 6.3    | 1    |          | 6   | 20170727 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170727 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170727 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | <50    | 50   |          |     | 20170727 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 95.7   | 1    | 90       |     | 20170727 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 0.02 | 97       |     | 20170727 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.6   | 1    | 101      |     | 20170727 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.2   | 0.16 | 98       |     | 20170727 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 1    | 100      |     | 20170727 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.5   | 1    | 94       |     | 20170727 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.8   | 1    | 98       |     | 20170727 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20170727 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1050   | 50   | 105      |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Mercury Dissolved          | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170727 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MS      | 50.8   | 1    | 102      |     | 20170727 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | DMS     | 50.6   | 1    | 101      | 1   | 20170727 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20170727 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170727 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 13.3   | 1    |          | 3   | 20170727 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170726 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170726 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170726 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170726 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170731 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590   | 10   | 97       |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170731 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.53   | 0.1  | 100      |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170731 |
| Total Recoverable Sodium   |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 100      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 1    | 97       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 1631       | QCS     | 5.18   | 0.5  | 104      |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170731 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.53   | 0.1  | 100      |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 100      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MS      | 50.7   | 1    | 101      |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | DMS     | 50.8   | 1    | 102      | 1   | 20170731 |
| Mercury Total              |        | METHOD                 | 1631       | QCS     | 5.03   | 0.5  | 101      |     | 20170731 |
| Hardness, Total            |        | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170731 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.53   | 0.1  | 100      |     | 20170731 |
| Total Recoverable Iron     |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 1    | 97       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 106    | 50   |          | 6   | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.7    | 1    |          | 3   | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.2   | 1    |          | 8   | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1130   | 50   | 103      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 104    | 1    | 94       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 0.02 | 99       |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 100      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47     | 0.16 | 94       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40.7   | 1    | 103      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.2   | 1    | 97       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.3   | 1    | 97       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.1   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 2.5  | 102      |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury Total              | Water  | METHOD                 | 1631       | QCS     | 5.03   | 0.5  | 101      |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 257    | 1    |          | 3   | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170731 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170731 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590   | 10   | 97       |     | 20170731 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170731 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 237    | 5    | 101      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170731 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.67   |      | 100      |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.53   | 0.1  | 100      |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.76   | 0.1  |          | 3   | 20170731 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.48   |      |          | 1   | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.13   | 0.1  | 66       |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.11   | 0.1  | 65       | 2   | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4660   | 10   | 93       |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.1   | 2.5  | 98       |     | 20170731 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 1    | 97       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20170731 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-À     | LCS     | 4.96   | 0.2  | 99       |     | 20170731 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 20  | 20170731 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170731 |

| Analyte                 | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170717 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170717 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20170717 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Chloride                | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Color                   | Water  | NONE   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170731 |
| Nitrate as N            | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Sulfate                 | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170731 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170731 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170731 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Chloride                | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 98       |     | 20170731 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 1.04   | 0.05 | 104      |     | 20170731 |
| Color                   | Water  | NONE   | 2120-B     | LCS     | 35     | 5    | 100      |     | 20170731 |
| Nitrate as N            | Water  | METHOD | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Sulfate                 | Water  | METHOD | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.5    | 0.1  | 100      |     | 20170731 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170731 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 1.03   | 0.05 | 103      |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.53   | 0.1  | 100      |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20170731 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170731 |
| Chloride                | Water  | METHOD | 300        | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20170731 |
| Color                   | Water  | NONE   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170731 |
| Nitrate as N            | Water  | METHOD | 300        | DUP     | 0.057  | 0.05 |          | NC  | 20170731 |
| Sulfate                 | Water  | METHOD | 300        | DUP     | 5.97   | 0.1  |          | 1   | 20170731 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 0.36   | 0.1  |          | 9   | 20170731 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 0.37   | 0.1  |          | 5   | 20170731 |
| Chloride                   | Water  | METHOD                 | 300       | MS      | 4.3    | 2    | 109      |     | 20170731 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | MS      | 1.05   | 0.05 | 105      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300       | MS      | 3.95   | 0.1  | 99       |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300       | MS      | 9.67   | 0.2  | 92       |     | 20170731 |
| Chloride                   | Water  | METHOD                 | 300       | DMS     | 4.4    | 2    | 109      | 1   | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300       | DMS     | 3.96   | 0.1  | 99       | 1   | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300       | DMS     | 9.68   | 0.2  | 93       | 1   | 20170731 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Calcium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 102      |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12600  | 1000 | 100      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.7   | 1    | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170731 |

| Analyte                 | Matrix | Prep      | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-------------------------|--------|-----------|-----------|---------|--------|------|----------|-----|----------|
| Mercury, Total          | Water  | METHOD    | 1631      | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total          | Water  | METHOD    | 1631      | QCS     | 5.18   | 0.5  | 104      |     | 20170731 |
| Hardness, Total         | Water  | NONE      | 2340-B    | MB      | <1     | 1    |          |     | 20170731 |
| Sulfate as SO4          | Water  | NONE      | 200.7 (W) | MB      | <1     | 1    |          |     | 20170731 |
| Diesel Range Organics   | Soil   | EPA 3550B | AK102     | MB      | <20    | 20   |          |     | 20170724 |
| o-Terphenyl             | Soil   | EPA 3550B | AK102     | SURR    | 90     | 0    | 90       |     | 20170724 |
| Diesel Range Organics   | Soil   | EPA 3550B | AK102     | MS      | 296    | 21   | 108      |     | 20170724 |
| o-Terphenyl             | Soil   | EPA 3550B | AK102     | SURR    | 97     | 0    | 97       |     | 20170724 |
| Diesel Range Organics   | Soil   | EPA 3550B | AK102     | DMS     | 287    | 21   | 104      | 3   | 20170724 |
| o-Terphenyl             | Soil   | EPA 3550B | AK102     | SURR    | 97     | 0    | 97       |     | 20170724 |
| Diesel Range Organics   | Soil   | EPA 3550B | AK102     | LCS     | 268    | 20   | 100      |     | 20170724 |
| o-Terphenyl             | Soil   | EPA 3550B | AK102     | SURR    | 94     | 0    | 94       |     | 20170724 |
| Diesel Range Organics   | Soil   | EPA 3550B | AK102     | DLCS    | 270    | 20   | 101      | 1   | 20170724 |
| o-Terphenyl             | Soil   | EPA 3550B | AK102     | SURR    | 94     | 0    | 94       |     | 20170724 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.02   | 0.05 | 102      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | DUP     | <0.050 | 0.05 |          | NC  | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MS      | 1.06   | 0.05 | 106      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.02   | 0.05 | 102      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.02   | 0.05 | 102      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Residual Chlorine | Water  | NONE      | 4500-CI G | LCS     | 1.04   | 0.05 | 104      |     | 20170713 |
| Total Dissolved Solids  | Water  | NONE      | 2540-C    | MB      | <10    | 10   |          |     | 20170717 |
| Total Suspended Solids  | Water  | NONE      | 2540-D    | MB      | <4.0   | 4    |          |     | 20170717 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 255    | 10   |          | 1   | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170717 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170717 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170717 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170731 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 100      |     | 20170731 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.03   | 0.5  | 101      |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170731 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170731 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20170731 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 0.1  | 98       |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20170731 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.29   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96     | 1    | 96       |     | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 0.02 | 100      |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.8   | 0.16 | 98       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170731 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 1    | 97       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170731 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 95     | 50   |          | 1   | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.6    | 1    |          | 2   | 20170731 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14     | 1    |          | 10  | 20170731 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170731 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1110   | 50   | 102      |     | 20170731 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 102    | 1    | 93       |     | 20170731 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.9   | 0.02 | 96       |     | 20170731 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.4   | 1    | 99       |     | 20170731 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46     | 0.16 | 92       |     | 20170731 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 39.6   | 1    | 97       |     | 20170731 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.9   | 1    | 100      |     | 20170731 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.7   | 1    | 95       |     | 20170731 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.2   | 0.1  | 97       |     | 20170731 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.9   | 2.5  | 104      |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170731 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.03   | 0.5  | 101      |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170731 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 255    | 1    |          | 1   | 20170731 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 99       |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 430    | 20   | 100      |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170720 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170720 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 99       |     | 20170720 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170720 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170807 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170807 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.64   | 1    | 95       |     | 20170807 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170807 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170809 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170809 |
|                            | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170809 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170809 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170809 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170809 |
|                            | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170809 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170809 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170809 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170809 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.64   | 1    | 95       |     | 20170809 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.92   | 1    | 98       |     | 20170809 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 237    | 5    | 101      |     | 20170809 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170809 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170809 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.68   |      | 100      |     | 20170809 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.9    | 0.1  | 98       |     | 20170809 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.1    | 0.1  | 94       |     | 20170809 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.08   |      |          | 1   | 20170809 |
| ,                          | Water  | NONE                   | 180.1      | DUP     | 385    | 1    |          | 1   | 20170809 |
| ,                          | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170809 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170809 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170809 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170809 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170809 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170809 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10   | 0.1  |          |     | 20170809 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20170809 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.09    | 0.2  | 102      |     | 20170809 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5190    | 10   | 104      |     | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570    | 50   | 103      |     | 20170809 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10      | 2.5  | 100      |     | 20170809 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.4    | 2.5  | 105      |     | 20170809 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2    | 0.02 | 105      |     | 20170809 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8    | 1    | 111      |     | 20170809 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53      | 0.16 | 106      |     | 20170809 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3    | 1    | 101      |     | 20170809 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4    | 1    | 105      |     | 20170809 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52      | 1    | 104      |     | 20170809 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.4    | 0.1  | 107      |     | 20170809 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2    | 2.5  | 105      |     | 20170809 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 189     | 10   |          | 2   | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 47300   | 50   |          | 2   | 20170809 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1910    | 10   | 86       |     | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 49100   | 50   | 65       |     | 20170809 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20170807 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20170807 |
| Nitrate as N               |        | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20170807 |
| Sulfate                    |        | METHOD                 | 300        | MB      | <0.10   | 0.1  |          |     | 20170807 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0    | 4    |          |     | 20170807 |
| Total Dissolved Solids     |        | NONE                   | 2540-C     | LCS     | 1580    | 10   | 96       |     | 20170807 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.64    | 1    | 95       |     | 20170807 |
| Nitrate as N               |        | METHOD                 | 300        | LCS     | 2.42    | 0.05 | 97       |     | 20170807 |
|                            |        | METHOD                 | 300        | LCS     | 4.9     | 0.1  | 98       |     | 20170807 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.1     | 0.1  | 94       |     | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416     | 20   | 97       |     | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 696     | 10   |          | 1   | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 6.4     | 4    |          | 1   | 20170807 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20170807 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170807 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20170807 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170807 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170807 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2570   | 50   | 103      |     | 20170807 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 100    | 1    | 100      |     | 20170807 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 0.02 | 105      |     | 20170807 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.8   | 1    | 111      |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53     | 0.16 | 106      |     | 20170807 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20170807 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.4   | 1    | 105      |     | 20170807 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 1    | 104      |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.4   | 0.1  | 107      |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 2.5  | 105      |     | 20170807 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 79.7   | 1    |          | 6   | 20170807 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170807 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170807 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 128    | 1    |          | 2   | 20170807 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6      | 2.5  |          | 1   | 20170807 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.5   | 1    |          | 3   | 20170807 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170807 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170807 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.2   | 1    |          | 3   | 20170807 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.6    | 2.5  |          | 19  | 20170807 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 171    | 1    | 96       |     | 20170807 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 0.02 | 99       |     | 20170807 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.4   | 1    | 107      |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.6   | 0.16 | 99       |     | 20170807 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 154    | 1    | 94       |     | 20170807 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 1    | 103      |     | 20170807 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51     | 1    | 102      |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 98       |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 30.3   | 2.5  | 97       |     | 20170807 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 113    | 1    | 102      |     | 20170807 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 0.02 | 99       |     | 20170807 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.3   | 1    | 106      |     | 20170807 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.4   | 0.16 | 99       |     | 20170807 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 35.8   | 1    | 100      |     | 20170807 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 1    | 101      |     | 20170807 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.1   | 1    | 100      |     | 20170807 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 0.1  | 99       |     | 20170807 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.4   | 2.5  | 107      |     | 20170807 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170807 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170807 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170807 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.04   | 0.5  | 101      |     | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170809 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170809 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170809 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170809 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170809 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170809 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.64   | 1    | 95       |     | 20170809 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170809 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.1    | 0.1  | 94       |     | 20170809 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170809 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 251    | 10   |          | 6   | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170809 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170809 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170809 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170809 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170809 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170809 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170809 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170809 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170809 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 105      |     | 20170809 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170809 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170809 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 111      |     | 20170809 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53     | 0.16 | 106      |     | 20170809 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170809 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170809 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 2.5  | 105      |     | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 54.3   | 1    | 97       |     | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 53.2   | 1    | 95       | 2   | 20170809 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.04   | 0.5  | 101      |     | 20170809 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170809 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170810 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | MB      | <2.0   | 2    |          |     | 20170810 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170810 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170810 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170810 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170810 |
| Fluoride                   | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170810 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170810 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170810 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170810 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170810 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | LCS     | 967    | 10   | 100      |     | 20170810 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 123    | 5    | 99       |     | 20170810 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170810 |
| Chloride                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 1    | 98       |     | 20170810 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 237    | 5    | 101      |     | 20170810 |
| Fluoride                    | Water  | METHOD                 | 300        | LCS     | 4.72   | 0.1  | 94       |     | 20170810 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20170810 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170810 |
| Sulfate                     | Water  | METHOD                 | 300        | LCS     | 5.01   | 0.1  | 100      |     | 20170810 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | DUP     | 55.4   | 5    |          | 1   | 20170810 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170810 |
| Chloride                    | Water  | METHOD                 | 300        | DUP     | <2.0   | 2    |          | NC  | 20170810 |
| Conductivity                | Water  | NONE                   | 2510       | DUP     | 124    | 5    |          | 1   | 20170810 |
| Fluoride                    | Water  | METHOD                 | 300        | DUP     | <0.20  | 0.2  |          | NC  | 20170810 |
| Nitrate as N                | Water  | METHOD                 | 300        | DUP     | 0.19   | 0.1  |          | 1   | 20170810 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | DUP     | 8.25   |      |          | 1   | 20170810 |
| Sulfate                     | Water  | METHOD                 | 300        | DUP     | 2.66   | 0.2  |          | 4   | 20170810 |
| Aciditiy, Total             | Water  | NONE                   | 2310-B     | DUP     | 1030   | 10   |          | 1   | 20170810 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 1.92   | 0.1  | 96       |     | 20170810 |
| Chloride                    | Water  | METHOD                 | 300        | MS      | 4.3    | 2    | 108      |     | 20170810 |
| Fluoride                    | Water  | METHOD                 | 300        | MS      | 3.85   | 0.2  | 96       |     | 20170810 |
| Nitrate as N                | Water  | METHOD                 | 300        | MS      | 4.39   | 0.1  | 105      |     | 20170810 |
| Sulfate                     | Water  | METHOD                 | 300        | MS      | 6.93   | 0.2  | 104      |     | 20170810 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.91   | 0.1  | 95       | 1   | 20170810 |
| Chloride                    | Water  | METHOD                 | 300        | DMS     | 4.3    | 2    | 108      | 1   | 20170810 |
| Fluoride                    | Water  | METHOD                 | 300        | DMS     | 3.88   | 0.2  | 97       | 1   | 20170810 |
| Nitrate as N                | Water  | METHOD                 | 300        | DMS     | 4.41   | 0.1  | 105      | 1   | 20170810 |
| Sulfate                     | Water  | METHOD                 | 300        | DMS     | 6.91   | 0.2  | 103      | 1   | 20170810 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170810 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170810 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <30    | 30   |          |     | 20170810 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170810 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170810 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20170810 |
| Total Recoverable Magnesiเ  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170810 |
| Phosphorus                  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170810 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170810 |

| Analyte                     | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <200   | 200  |          |     | 20170810 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170810 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1.0   | 1    |          |     | 20170810 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <20    | 20   |          |     | 20170810 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <2.0   | 2    |          |     | 20170810 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170810 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170810 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170810 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170810 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170810 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170810 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170810 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170810 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170810 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170810 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170810 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170810 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170810 |
| Total Recoverable Vanadiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.20  | 0.2  |          |     | 20170810 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170810 |
| Total Recoverable Zirconiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.20  | 0.2  |          |     | 20170810 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | LCS     | 5.09   | 0.2  | 102      |     | 20170810 |
| Total Recoverable Aluminun  |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5030   | 10   | 101      |     | 20170810 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 463    | 30   | 93       |     | 20170810 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20170810 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 50   | 99       |     | 20170810 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10200  | 20   | 102      |     | 20170810 |
| Total Recoverable Magnesiเ  |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20170810 |
| Phosphorus                  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9920   | 40   | 99       |     | 20170810 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20170810 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | <200   | 200  |          |     | 20170810 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170810 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9880   | 1    | 99       |     | 20170810 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9590   | 20   | 96       |     | 20170810 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9970   | 2    | 100      |     | 20170810 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9800   | 200  | 98       |     | 20170810 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53     | 0.05 | 106      |     | 20170810 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.4   | 2.5  | 105      |     | 20170810 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 0.05 | 103      |     | 20170810 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.64   | 0.02 | 106      |     | 20170810 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 0.02 | 105      |     | 20170810 |
| Total Chromium              | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.4   | 2.5  | 104      |     | 20170810 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.6   | 0.02 | 107      |     | 20170810 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.8   | 1    | 111      |     | 20170810 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53     | 0.16 | 106      |     | 20170810 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20170810 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.7   | 0.05 | 109      |     | 20170810 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.4   | 1    | 105      |     | 20170810 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 1    | 104      |     | 20170810 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.4   | 0.1  | 107      |     | 20170810 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.1   | 0.02 | 106      |     | 20170810 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 21.4   | 0.02 | 107      |     | 20170810 |
| Total Recoverable Vanadium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 0.2  | 103      |     | 20170810 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 2.5  | 105      |     | 20170810 |
| Total Recoverable Zirconium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 19     | 0.2  | 95       |     | 20170810 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 32     | 10   |          | 23  | 20170810 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <30    | 30   |          |     | 20170810 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 23200  | 1000 |          | 1   | 20170810 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170810 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          |     | 20170810 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20170810 |
| Phosphorus                  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <40    | 40   |          |     | 20170810 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20170810 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1910   | 200  |          | 1   | 20170810 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20170810 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 207    | 1    |          | 1   | 20170810 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          |     | 20170810 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <2.0   | 2    |          |     | 20170810 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1960   | 10   | 97       |     | 20170810 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 476    | 30   | 95       |     | 20170810 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 32900  | 1000 | 99       |     | 20170810 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1030   | 50   | 103      |     | 20170810 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 20   | 103      |     | 20170810 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 1000 | 103      |     | 20170810 |
| Phosphorus                  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 40   | 103      |     | 20170810 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10900  | 1000 | 109      |     | 20170810 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10800  | 1000 | 108      |     | 20170810 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 1    | 101      |     | 20170810 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 9780   | 20   | 98       |     | 20170810 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 2    | 103      |     | 20170810 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11700  | 200  | 98       |     | 20170810 |
| Mercury, Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170804 |
| Mercury, Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170804 |
| Mercury, Total              | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170804 |
| Mercury, Total              | Water  | METHOD                 | 1631       | QCS     | 5.52   | 0.5  | 110      |     | 20170804 |
| Diesel Range Organics       | Soil   | EPA 3550B              | AK102./103 | MB      | <28    | 28   |          |     | 20170815 |
| o-Terphenyl                 | Soil   | EPA 3550B              | AK102./103 | SURR    | 103    | 0.48 | 103      |     | 20170815 |
| Residual Range Organics     | Soil   | EPA 3550B              | AK102./103 | MB      | <140   | 140  |          |     | 20170815 |
| n-Triacontane               | Soil   | EPA 3550B              | AK102./103 | SURR    | 90     | 0.48 | 90       |     | 20170815 |
| Diesel Range Organics       | Soil   | EPA 3550B              | AK102./103 | LCS     | 281    | 20   | 105      |     | 20170815 |
| o-Terphenyl                 | Soil   | EPA 3550B              | AK102./103 | SURR    | 100    | 0.34 | 100      |     | 20170815 |
| Residual Range Organics     | Soil   | EPA 3550B              | AK102./103 | LCS     | 115    | 100  | 86       |     | 20170815 |
| n-Triacontane               | Soil   | EPA 3550B              | AK102./103 | SURR    | 87     | 0.34 | 87       |     | 20170815 |
| Diesel Range Organics       | Soil   | EPA 3550B              | AK102./103 | DLCS    | 275    | 20   | 103      | 2   | 20170815 |
| o-Terphenyl                 | Soil   | EPA 3550B              | AK102./103 | SURR    | 101    | 0.34 | 101      |     | 20170815 |
| Residual Range Organics     | Soil   | EPA 3550B              | AK102./103 | DLCS    | 113    | 100  | 85       | 2   | 20170815 |
| n-Triacontane               | Soil   | EPA 3550B              | AK102./103 | SURR    | 86     | 0.34 | 86       |     | 20170815 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170728 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170728 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170728 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170728 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170728 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170728 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170728 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170728 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20170728 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170728 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 461    | 10   |          | 1   | 20170728 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170815 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170815 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170815 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170815 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 99       |     | 20170815 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 243    | 5    | 104      |     | 20170815 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170815 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.45   | 0.05 | 98       |     | 20170815 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.66   |      | 99       |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.33   | 0.1  | 97       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.47   | 0.1  | 99       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 255    | 1    |          | 1   | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170815 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5190   | 10   | 104      |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170815 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.4   | 2.5  | 105      |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 111      |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53     | 0.16 | 106      |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 1    | 104      |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.4   | 0.1  | 107      |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 2.5  | 105      |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.52   | 0.2  | 90       |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.8    | 2.5  | 98       |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 4.66   | 0.2  | 93       |     | 20170815 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170815 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.33   | 0.1  | 97       |     | 20170815 |
| Turbidity Lab              |        | NONE                   | 180.1      | LCS     | 6.47   | 0.1  | 99       |     | 20170815 |
| Total Recoverable Iron     |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 111      |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53     | 0.16 | 106      |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 1    | 104      |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.4   | 0.1  | 107      |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 2.5  | 105      |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 50.2   | 1    | 100      |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 49.6   | 1    | 99       | 1   | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20170815 |
| Hardness, Total            | Water  | METHOD                 | 2340-B     | MB      | <1     | 1    |          |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170815 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.33   | 0.1  | 97       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.47   | 0.1  | 99       |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Magnesiน |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170815 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170815 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20170815 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 105      |     | 20170815 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 111      |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53     | 0.16 | 106      |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 2.5  | 105      |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 48.4   | 1    | 97       |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 47.2   | 1    | 94       | 3   | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20170815 |
| Sulfate as SO4             | Water  | METHOD                 | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170815 |
| Hardness, Total            | Water  | METHOD                 | 2340       | MB      | <1     | 1    |          |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170810 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170810 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170810 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170810 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170810 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170810 |
| Phosphorus                 | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170810 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170810 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170810 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170810 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170810 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170810 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170810 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5  | 103      |     | 20170810 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | LCS     | 26.3   | 0.5  | 110      |     | 20170810 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | LCS     | 117    | 5    | 97       |     | 20170810 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrate as N                | Water  | METHOD                 | 300       | LCS     | 2.42   | 0.05 | 97       |     | 20170810 |
| Nitrite as N                | Water  | METHOD                 | 300       | LCS     | 2.45   | 0.05 | 98       |     | 20170810 |
|                             | Water  | ASTM D3590-02(2006)(A) | D1426-08B | LCS     | 2.88   | 0.2  | 101      |     | 20170810 |
| Phosphorus                  | Water  | METHOD                 | 365.3     | LCS     | 8.68   | 0.1  | 101      |     | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | LCS     | 25.1   | 0.5  | 104      |     | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | LCS     | 25.6   | 0.5  | 107      |     | 20170810 |
| Chlorophyll A               | Water  | NONE                   | 10200 H   | LCS     | 4590   | 80   | 102      |     | 20170810 |
|                             | Water  | NONE                   | 10200 H   | DLCS    | 4540   | 80   | 100      | 1   | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | DUP     | 4.57   | 0.5  |          | 2   | 20170810 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C    | DUP     | 14.5   | 5    |          | 7   | 20170810 |
|                             | Water  | METHOD                 | 365.3     | DUP     | <0.010 | 0.01 |          |     | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | DUP     | 4.77   | 0.5  |          | 9   | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | DUP     | 3.55   | 0.5  |          | 3   | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | DUP     | 3.34   | 0.5  |          | 1   | 20170810 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C    | MS      | 31     | 0.5  | 106      |     | 20170810 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C    | MS      | 120    | 13   | 105      |     | 20170810 |
| Phosphorus                  | Water  | METHOD                 | 365.3     | MS      | 0.517  | 0.01 | 100      |     | 20170810 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C    | DMS     | 118    | 13   | 102      | 2   | 20170810 |
| Phosphorus                  | Water  | METHOD                 | 365.3     | DMS     | 0.514  | 0.01 | 100      | 1   | 20170810 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170810 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <40    | 40   |          |     | 20170810 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13300  | 1000 | 106      |     | 20170810 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10200  | 40   | 102      |     | 20170810 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 27400  | 1000 |          | 3   | 20170810 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 131000 | 40   |          | 2   | 20170810 |
| Total Recoverable Potassiun |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 39600  | 1000 | 114      |     | 20170810 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 145000 | 40   | 115      |     | 20170810 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | MB      | <0.050 | 0.05 |          |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | LCS     | 1.11   | 0.05 | 111      |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | LCS     | 1.11   | 0.05 | 111      |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | LCS     | 1.05   | 0.05 | 105      |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | LCS     | 1.09   | 0.05 | 109      |     | 20170809 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G | DUP     | <0.050 | 0.05 |          | NC  | 20170809 |

| Analyte                    | Matrix  | Prep      | Method     | QC Type | Result    | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|-----------|------------|---------|-----------|---------|----------|-----|----------|
| Total Residual Chlorine    | Water   | NONE      | 4500-CI G  | MS      | 1.11      | 0.05    | 111      |     | 20170809 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | MB      | 5         | 5       |          |     | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | MB      | <0.050    | 0.05    |          |     | 20170815 |
| Nitrate as N               | Aqueou  | NONE      | 300        | MB      | <0.050    | 0.05    |          |     | 20170815 |
| Sulfate                    | Aqueou  | NONE      | 300        | MB      | <0.10     | 0.1     |          |     | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | MB      | <0.050    | 0.05    |          |     | 20170815 |
| Sulfate                    | Aqueou  |           | 300        | MB      | <0.10     | 0.1     |          |     | 20170815 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | LCS     | 1600      | 5       | 98       |     | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | LCS     | 10.5      | 0.25    | 103      |     | 20170815 |
| Nitrate as N               | Aqueou  | NONE      | 300        | LCS     | 2.35      | 0.05    | 94       |     | 20170815 |
| pH lab                     | Aqueou  | NONE      | 4500-H-B   | LCS     | 7.68      |         | 100      |     | 20170815 |
| Sulfate                    | Aqueou  | NONE      | 300        | LCS     | 5.35      | 0.1     | 107      |     | 20170815 |
| Sulfate                    | Aqueou  | NONE      | 300        | LCS     | 5.22      | 0.1     | 104      |     | 20170815 |
| Total Dissolved Solids     | Aqueou  | NONE      | 2540-C     | DUP     | 43.8      | 5       |          | 6   | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | DUP     | 0.07      | 0.05    |          | 2   | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | MS      | 2.02      | 0.05    | 98       |     | 20170815 |
| Ammonia as N               | Aqueou  | METHOD    | 4500-NH3 G | DMS     | 2.02      | 0.05    | 97       | 1   | 20170815 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C     | MB      | <0.020    | 0.02    |          |     | 20170815 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C     | MB      | <0.020    | 0.02    |          |     | 20170815 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C     | MB      | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0020   | 0.002   |          |     | 20170815 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 80000.0 |          |     | 20170815 |
| Total Chromium             | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00080  | 0.0008  |          |     | 20170815 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0020   | 0.002   |          |     | 20170815 |
| Total Recoverable Lead     |         | EPA 3020A | 6020-A     | MB      | <0.000080 | 80000.0 |          |     | 20170815 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | MB      |           | 0.0008  |          |     | 20170815 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0040   | 0.004   |          |     | 20170815 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 0.00008 |          |     | 20170815 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A     | MB      | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0020   | 0.002   |          |     | 20170815 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A     | MB      | <0.000080 | 80000.0 |          |     | 20170815 |
| Total Chromium             | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00080  | 0.0008  |          |     | 20170815 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A     | MB      |           | 0.002   |          |     | 20170815 |
| Total Recoverable Lead     |         | EPA 3020A | 6020-A     | MB      | <0.000080 | 80000.0 |          |     | 20170815 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A     | MB      | <0.00080  | 0.0008  |          |     | 20170815 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A     | MB      | <0.0040   | 0.004   |          |     | 20170815 |

| Analyte                    | Matrix  | Prep      | Method | QC Type | Result    | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|-----------|--------|---------|-----------|---------|----------|-----|----------|
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A | MB      | <0.000080 | 0.00008 |          |     | 20170815 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A | MB      | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A | MB      | <0.0010   | 0.001   |          |     | 20170815 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C | LCS     | 9.19      | 0.02    | 92       |     | 20170815 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C | LCS     | 4.96      | 0.02    | 99       |     | 20170815 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C | LCS     | 2.36      | 0.01    | 94       |     | 20170815 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0974    | 0.002   | 97       |     | 20170815 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0502    | 80000.0 | 100      |     | 20170815 |
| Total Chromium             | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0191    | 0.0008  | 95       |     | 20170815 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0241    | 0.002   | 97       |     | 20170815 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020-A | LCS     | 0.1       | 80000.0 | 100      |     | 20170815 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0468    | 0.0008  | 94       |     | 20170815 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A | LCS     | 0.0982    | 0.004   | 98       |     | 20170815 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A | LCS     | 0.026     | 80000.0 | 104      |     | 20170815 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A | LCS     | 0.049     | 0.01    | 98       |     | 20170815 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A | LCS     | 0.0054    | 0.001   | 108      |     | 20170815 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C | DUP     | 0.479     | 0.02    |          | 3   | 20170815 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C | DUP     | <0.020    | 0.02    |          |     | 20170815 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C | DUP     | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A | DUP     | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A | DUP     | <0.00040  | 0.0004  |          |     | 20170815 |
| Total Chromium             | Sludge, | EPA 3020A | 6020-A | DUP     | <0.0040   | 0.004   |          |     | 20170815 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A | DUP     | <0.010    | 0.01    |          |     | 20170815 |
| Total Recoverable Lead     | Sludge, | EPA 3020A | 6020-A | DUP     | <0.00040  | 0.0004  |          |     | 20170815 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A | 6020-A | DUP     | <0.0040   | 0.004   |          |     | 20170815 |
| Total Recoverable Selenium | Sludge, | EPA 3020A | 6020-A | DUP     | <0.020    | 0.02    |          |     | 20170815 |
| Total Recoverable Silver   | Sludge, | EPA 3020A | 6020-A | DUP     | <0.00040  | 0.0004  |          |     | 20170815 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A | 6020-A | DUP     | <0.050    | 0.05    |          |     | 20170815 |
| Total Recoverable Mercury  | Sludge, | METHOD    | 7470-A | DUP     | <0.0010   | 0.001   |          |     | 20170815 |
| Total Recoverable Aluminum | Sludge, | EPA 3010A | 6010-C | MS      | 9.23      | 0.02    | 88       |     | 20170815 |
| Total Recoverable Iron     | Sludge, | EPA 3010A | 6010-C | MS      | 4.8       | 0.02    | 96       |     | 20170815 |
| Total Recoverable Mangane  | Sludge, | EPA 3010A | 6010-C | MS      | 2.29      | 0.01    | 92       |     | 20170815 |
| Total Recoverable Arsenic  | Sludge, | EPA 3020A | 6020-A | MS      | 0.485     | 0.01    | 97       |     | 20170815 |
| Total Recoverable Cadmium  | Sludge, | EPA 3020A | 6020-A | MS      | 0.25      | 0.0004  | 100      |     | 20170815 |
| Total Chromium             | Sludge, | EPA 3020A | 6020-A | MS      | 0.0926    | 0.004   | 93       |     | 20170815 |
| Total Recoverable Copper   | Sludge, | EPA 3020A | 6020-A | MS      | 0.119     | 0.01    | 95       |     | 20170815 |

| Analyte                    | Matrix  | Prep                   | Method     | QC Type | Result | MRL    | Recovery | RPD | Date     |
|----------------------------|---------|------------------------|------------|---------|--------|--------|----------|-----|----------|
| Total Recoverable Lead     | Sludge, | EPA 3020A              | 6020-A     | MS      | 0.505  | 0.0004 | 101      |     | 20170815 |
| Total Recoverable Nickel   | Sludge, | EPA 3020A              | 6020-A     | MS      | 0.236  | 0.004  | 94       |     | 20170815 |
| Total Recoverable Selenium | Sludge, | EPA 3020A              | 6020-A     | MS      | 0.486  | 0.02   | 97       |     | 20170815 |
| Total Recoverable Silver   | Sludge, | EPA 3020A              | 6020-A     | MS      | 0.124  | 0.0004 | 99       |     | 20170815 |
| Total Recoverable Zinc     | Sludge, | EPA 3020A              | 6020-A     | MS      | 0.234  | 0.05   | 94       |     | 20170815 |
| Total Recoverable Mercury  | Sludge, | METHOD                 | 7470-A     | MS      | 0.0055 | 0.001  | 110      |     | 20170815 |
| Hardness, Total            | Sludge, | NONE                   | 2340-B     | MB      | 1.1    | 1      |          |     | 20170815 |
| Hardness, Total            | Sludge, | NONE                   | 2340-B     | DUP     | 25.3   | 1      |          | 3   | 20170815 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | MB      | <10    | 10     |          |     | 20170815 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1    |          |     | 20170815 |
| Chloride                   | Water   | NONE                   | 300        | MB      | <1.0   | 1      |          |     | 20170815 |
| Conductivity               | Water   | NONE                   | 2510       | MB      | <5.0   | 5      |          |     | 20170815 |
| Nitrate as N               | Water   | NONE                   | 300        | MB      | <0.050 | 0.05   |          |     | 20170815 |
| Nitrite as N               | Water   | NONE                   | 300        | MB      | <0.050 | 0.05   |          |     | 20170815 |
| Sulfate                    | Water   | NONE                   | 300        | MB      | <0.10  | 0.1    |          |     | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | MB      | <0.10  | 0.1    |          |     | 20170815 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | MB      | <2.0   | 2      |          |     | 20170815 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | LCS     | 1600   | 10     | 97       |     | 20170815 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | LCS     | 10.5   | 0.5    | 103      |     | 20170815 |
| Chloride                   | Water   | NONE                   | 300        | LCS     | 4.9    | 1      | 99       |     | 20170815 |
| Conductivity               | Water   | NONE                   | 2510       | LCS     | 243    | 5      | 104      |     | 20170815 |
| Nitrate as N               | Water   | NONE                   | 300        | LCS     | 2.4    | 0.05   | 96       |     | 20170815 |
| Nitrite as N               | Water   | NONE                   | 300        | LCS     | 2.45   | 0.05   | 98       |     | 20170815 |
| pH lab                     | Water   | NONE                   | 4500-H-B   | LCS     | 7.67   |        | 100      |     | 20170815 |
| Sulfate                    | Water   | NONE                   | 300        | LCS     | 4.78   | 0.1    | 96       |     | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | LCS     | 6.34   | 0.1    | 97       |     | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | LCS     | 6.49   | 0.1    | 100      |     | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | LCS     | 6.35   | 0.1    | 98       |     | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | LCS     | 6.49   | 0.1    | 100      |     | 20170815 |
| Total Dissolved Solids     | Water   | NONE                   | 2540-C     | DUP     | 847    | 10     |          | 1   | 20170815 |
| Conductivity               | Water   | NONE                   | 2510       | DUP     | 1110   | 5      |          | 1   | 20170815 |
| Turbidity Lab              | Water   | NONE                   | 180.1      | DUP     | 1.9    | 0.1    |          | 2   | 20170815 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | DUP     | 2.72   | 0.1    |          | 1   | 20170815 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | MS      | 4.75   | 0.1    | 101      |     | 20170815 |
| Ammonia as N               | Water   | METHOD                 | 4500-NH3 G | DMS     | 4.75   | 0.1    | 101      | 1   | 20170815 |
| Total Recoverable Aluminum | Water   | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10     |          |     | 20170815 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5290   | 50   | 106      |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2610   | 50   | 104      |     | 20170815 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 2.5  | 101      |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 0.02 | 102      |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 102      |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.6   | 0.16 | 103      |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 1    | 102      |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.8   | 1    | 99       |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.1   | 1    | 106      |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 0.1  | 101      |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 2.5  | 103      |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170815 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 4.52   | 0.2  | 90       |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 24     | 10   |          | 1   | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 285    | 50   |          | 3   | 20170815 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170815 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.54   | 0.02 |          | 1   | 20170815 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.4    | 1    |          | 2   | 20170815 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170815 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 374    | 1    |          | 3   | 20170815 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 12.9   | 1    |          | 1   | 20170815 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.1    | 1    |          | 1   | 20170815 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170815 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 151    | 2.5  |          | 1   | 20170815 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1910   | 10   | 94       |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1310   | 50   | 102      |     | 20170815 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 55.8   | 2.5  | 112      |     | 20170815 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.7   | 0.02 | 100      |     | 20170815 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.8   | 1    | 91       |     | 20170815 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.1   | 0.16 | 92       |     | 20170815 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 396    | 1    | 140      |     | 20170815 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 37     | 1    | 96       |     | 20170815 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 55.6   | 1    | 107      |     | 20170815 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 0.1  | 96       |     | 20170815 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 172    | 2.5  | 85       |     | 20170815 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.3   | 2.5  | 103      |     | 20170815 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170815 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 584    | 1    |          | 2   | 20170815 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.75   | 0.1  | 95       |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | DUP     | 2.75   | 0.2  |          | 3   | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | MS      | 6.86   | 0.2  | 101      |     | 20170815 |
| Sulfate                    | Water  | METHOD                 | 300        | DMS     | 6.91   | 0.2  | 102      | 1   | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 102    | 1    | 102      |     | 20170815 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 0.02 | 102      |     | 20170815 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 102      |     | 20170815 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 10.6   | 1    | 103      |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.12   | 0.1  | 94       |     | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.41   | 0.2  |          | 1   | 20170815 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.42   | 0.2  | 50       |     | 20170815 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.36   | 0.2  | 48       | 4   | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170815 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170815 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170815 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20170815 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12000  | 1000 | 96       |     | 20170815 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.9   | 1    | 90       |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.1   | 0.16 | 94       |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 2.5  | 92       |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 47     | 1    | 94       |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 45.9   | 1    | 92       | 2   | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170815 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170815 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170807 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Ammonia as N               | Water  | SM 4500-NH3 B          | 4500-NH3 G | LCS     | 10.6   | 1    | 103      |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.35   | 0.1  | 107      |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.12   | 0.1  | 94       |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.22   | 0.1  | 104      |     | 20170815 |
| Total Recoverable Iron     |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.9   | 1    | 90       |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.1   | 0.16 | 94       |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 0.1  | 94       |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 2.5  | 92       |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 81     | 50   |          | 4   | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.7    | 1    |          | 1   | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 8      | 1    |          | 3   | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170815 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1110   | 50   | 103      |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 98.3   | 1    | 90       |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 0.02 | 98       |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.4   | 1    | 91       |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.6   | 0.16 | 95       |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.9   | 1    | 95       |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23     | 1    | 92       |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.6   | 1    | 95       |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.4   | 0.1  | 92       |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.4   | 2.5  | 90       |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170815 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Ammonia as N               | Water  | SM 4500-NH3 B          | 4500-NH3 G | LCS     | 10.6   | 1    | 103      |     | 20170815 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.35   | 0.1  | 107      |     | 20170815 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.12   | 0.1  | 94       |     | 20170815 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.22   | 0.1  | 104      |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170815 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.9   | 1    | 90       |     | 20170815 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.02 | 96       |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.1   | 0.16 | 94       |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 1    | 94       |     | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 1    | 94       |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.7   | 1    | 91       |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 0.1  | 94       |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 2.5  | 92       |     | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 81     | 50   |          | 4   | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7.7    | 1    |          | 1   | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170815 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8      | 1    |          | 3   | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170815 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1110   | 50   | 103      |     | 20170815 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 98.3   | 1    | 90       |     | 20170815 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.4   | 0.02 | 98       |     | 20170815 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.4   | 1    | 91       |     | 20170815 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.6   | 0.16 | 95       |     | 20170815 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 31.9   | 1    | 95       |     | 20170815 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23     | 1    | 92       |     | 20170815 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.6   | 1    | 95       |     | 20170815 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.4   | 0.1  | 92       |     | 20170815 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.4   | 2.5  | 90       |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170815 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.16   | 0.5  | 103      |     | 20170815 |
|                            | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170817 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170817 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20170817 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.16   | 0.5  | 103      |     | 20170817 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170817 |
|                            | Water  | METHOD                 | 300        | LCS     | 5.05   | 0    | 101      |     | 20170817 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170807 |
|                            | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170807 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 460    | 10   |          | 1   | 20170807 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170822 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20170822 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170822 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170822 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 10.6   | 1    | 103      |     | 20170822 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 99       |     | 20170822 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 241    | 5    | 103      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20170822 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.42   | 0.05 | 97       |     | 20170822 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.68   |      | 100      |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.35   | 0.1  | 107      |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.12   | 0.1  | 94       |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.22   | 0.1  | 104      |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 887    | 10   |          | 1   | 20170822 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 6.8    |      |          | 1   | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170822 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170822 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170822 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5030   | 10   | 101      |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 98       |     | 20170822 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.1   | 2.5  | 92       |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.1   | 0.16 | 94       |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.4   | 1    | 94       |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 45.7   | 1    | 91       |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 0.1  | 94       |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 2.5  | 92       |     | 20170822 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.2   | 2.5  | 102      |     | 20170822 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.4    | 0.2  | 108      |     | 20170822 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170822 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.9    | 3    | 99       |     | 20170822 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170822 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170821 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170821 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170821 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170821 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170821 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20170821 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 10.6   | 1    | 103      |     | 20170821 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | METHOD                 | 300       | LCS     | 4.9    | 1    | 99       |     | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | LCS     | 1.07   | 0.05 | 107      |     | 20170821 |
| Color                      | Water  | NONE                   | 2120-B    | LCS     | 15     | 5    | 100      |     | 20170821 |
| Nitrate as N               | Water  | METHOD                 | 300       | LCS     | 2.39   | 0.05 | 96       |     | 20170821 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.75   | 0.1  | 95       |     | 20170821 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.21   | 0.1  | 95       |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 400    | 20   | 93       |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1590   | 10   | 97       |     | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | LCS     | 1.01   | 0.05 | 101      |     | 20170821 |
| Color                      | Water  | NONE                   | 2120-B    | DUP     | <5.0   | 5    |          | NC  | 20170821 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 0.19   | 0.1  |          | 11  | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | DUP     | <0.050 | 0.05 |          | NC  | 20170821 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | MS      | 1.06   | 0.05 | 106      |     | 20170821 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170821 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170821 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170821 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170821 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2460   | 50   | 98       |     | 20170821 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 89.9   | 1    | 90       |     | 20170821 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24     | 0.02 | 96       |     | 20170821 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.5   | 1    | 92       |     | 20170821 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.1   | 0.16 | 94       |     | 20170821 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 1    | 94       |     | 20170821 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 1    | 94       |     | 20170821 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 45.7   | 1    | 91       |     | 20170821 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 2.5  | 92       |     | 20170821 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20170821 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.9    | 1    |          | 20  | 20170821 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170821 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170821 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170821 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170821 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170821 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170821 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170821 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1050   | 50   | 105      |     | 20170821 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 91.5   | 1    | 89       |     | 20170821 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 0.02 | 97       |     | 20170821 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 1    | 93       |     | 20170821 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.5   | 0.16 | 97       |     | 20170821 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 1    | 99       |     | 20170821 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 1    | 93       |     | 20170821 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.8   | 1    | 94       |     | 20170821 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 2.5  | 92       |     | 20170821 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170821 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170821 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170821 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.16   | 0.5  | 103      |     | 20170821 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170821 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 13.6   | 1    |          | 1   | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170814 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170814 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170814 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20   | 93       |     | 20170814 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170814 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170814 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20170814 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20   | 93       |     | 20170814 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170822 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170822 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.16   | 0.1  | 103      |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.09   | 0.1  | 94       |     | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.29   | 0.1  | 106      |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 704    | 10   |          | 3   | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 8.3    | 2.5  |          | 4   | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 458    | 5    |          | 5   | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 4.8    | 4    |          | 8   | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 238    | 5    | 115      |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 679    | 10   | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 238    | 5    | 115      | 1   | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 663    | 10   | 92       | 2   | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.2   | 1    | 92       |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 98       |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 1    | 91       |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 0.16 | 97       |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 1    | 96       |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 1    | 92       |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 1    | 96       |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 94       |     | 20170822 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 2.5  | 93       |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 63     | 50   |          | 5   | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.4    | 1    |          | 3   | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170822 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7      | 1    |          | 1   | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1110   | 50   | 105      |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 105    | 1    | 95       |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 0.02 | 101      |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.5   | 0.16 | 99       |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.7   | 1    | 99       |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 1    | 92       |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.6   | 1    | 101      |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 0.1  | 96       |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.7   | 2.5  | 95       |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20170822 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170822 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170822 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170822 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170822 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.16   | 0.1  | 103      |     | 20170822 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.09   | 0.1  | 94       |     | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.29   | 0.1  | 106      |     | 20170822 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 704    | 10   |          | 3   | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 8.3    | 2.5  |          | 4   | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 458    | 5    |          | 5   | 20170822 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 4.8    | 4    |          | 8   | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 238    | 5    | 115      |     | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 679    | 10   | 100      |     | 20170822 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 238    | 5    | 115      | 1   | 20170822 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 663    | 10   | 92       | 2   | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.2   | 1    | 92       |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 98       |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 1    | 91       |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 0.16 | 97       |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 1    | 96       |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 1    | 92       |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8   | 1    | 96       |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 94       |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 2.5  | 93       |     | 20170822 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 63     | 50   |          | 5   | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.4    | 1    |          | 3   | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7      | 1    |          | 1   | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170822 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1110   | 50   | 105      |     | 20170822 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 105    | 1    | 95       |     | 20170822 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 0.02 | 101      |     | 20170822 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20170822 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.5   | 0.16 | 99       |     | 20170822 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.7   | 1    | 99       |     | 20170822 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.1   | 1    | 92       |     | 20170822 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.6   | 1    | 101      |     | 20170822 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 0.1  | 96       |     | 20170822 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.7   | 2.5  | 95       |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170822 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20170822 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170822 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0    | 100      |     | 20170824 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170824 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170824 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170824 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170824 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170824 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170824 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170824 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.09   | 0.1  | 94       |     | 20170824 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 428    | 20   | 100      |     | 20170824 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 6.98   | 0.25 |          | 1   | 20170824 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 51     | 0.2  |          | 3   | 20170824 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 30.3   | 0.5  | 117      |     | 20170824 |
|                            | Water  | NONE                   | 300        | DMS     | 30.4   | 0.5  | 117      | 1   | 20170824 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170824 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170824 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170824 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170824 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170824 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170824 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170824 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 100      |     | 20170824 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20170824 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.2   | 1    | 92       |     | 20170824 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 98       |     | 20170824 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 1    | 91       |     | 20170824 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 0.16 | 97       |     | 20170824 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 1    | 96       |     | 20170824 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 1    | 92       |     | 20170824 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 2.5  | 93       |     | 20170824 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170824 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170824 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170824 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20170824 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170824 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170921 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170824 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20170824 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170824 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170824 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170824 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170824 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170824 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170824 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20170824 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.95   | 1    | 99       |     | 20170824 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 241    | 5    | 103      |     | 20170824 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170824 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20170824 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.68   |      | 100      |     | 20170824 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.29   | 0.1  | 106      |     | 20170824 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.09   | 0.1  | 94       |     | 20170824 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 6.72   |      |          | 1   | 20170824 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170824 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170824 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170824 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170824 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170824 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170824 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170824 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170824 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170824 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.31   | 0.2  | 106      |     | 20170824 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5040   | 10   | 101      |     | 20170824 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20170824 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.9   | 2.5  | 94       |     | 20170824 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 98       |     | 20170824 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 1    | 91       |     | 20170824 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.7   | 0.16 | 97       |     | 20170824 |

| Analyte                    | Matrix   | Prep                   | Method     | QC Type | Result  | MRL   | Recovery | RPD | Date     |
|----------------------------|----------|------------------------|------------|---------|---------|-------|----------|-----|----------|
| Total Recoverable Mangane  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9    | 1     | 96       |     | 20170824 |
| Total Recoverable Nickel   | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1    | 1     | 92       |     | 20170824 |
| Total Recoverable Selenium | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.8    | 1     | 96       |     | 20170824 |
| Total Recoverable Silver   | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7    | 0.1   | 94       |     | 20170824 |
| Total Recoverable Zinc     | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2    | 2.5   | 93       |     | 20170824 |
| Total Chromium             | Water    | EPA 3020A              | 200.8 (W)  | LCS     | 9.8     | 2.5   | 98       |     | 20170824 |
| Total Recoverable Mercury  | Water    | METHOD                 | 7470-A     | DUP     | <0.20   | 0.2   |          |     | 20170824 |
| Total Chromium             | Water    | EPA 3020A              | 200.8 (W)  | DUP     | <2.5    | 2.5   |          |     | 20170824 |
| Total Recoverable Mercury  | Water    | METHOD                 | 7470-A     | MS      | 4.34    | 0.2   | 87       |     | 20170824 |
| Total Chromium             | Water    | EPA 3020A              | 200.8 (W)  | MS      | 9.7     | 2.5   | 97       |     | 20170824 |
| Hardness, Total            | Water    | NONE                   | 2340-B     | MB      | <1      | 1     |          |     | 20170824 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1   |          |     | 20170817 |
| Nitrate as N               | Water    | NONE                   | 300        | MB      | <0.050  | 0.05  |          |     | 20170817 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | LCS     | 10.2    | 0.5   | 100      |     | 20170817 |
| Nitrate as N               | Water    | NONE                   | 300        | LCS     | 2.37    | 0.05  | 95       |     | 20170817 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | DUP     | 14.3    | 1     |          | 6   | 20170817 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | MS      | 34.2    | 1     | 95       |     | 20170817 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | DMS     | 34.2    | 1     | 95       | 1   | 20170817 |
| Total Recoverable Mercury  | Misc. So | METHOD                 | 7470-A     | MB      | <0.0010 | 0.001 |          |     | 20170824 |
| Total Recoverable Arsenic  | Misc. So | EPA 3010A              | 6010-C     | MB      | <0.12   | 0.12  |          |     | 20170824 |
| Total Recoverable Barium   | Misc. So | EPA 3010A              | 6010-C     | MB      | <1.2    | 1.2   |          |     | 20170824 |
| Total Recoverable Cadmium  | Misc. So | EPA 3010A              | 6010-C     | MB      | <0.060  | 0.06  |          |     | 20170824 |
| Total Chromium             | Misc. So | EPA 3010A              | 6010-C     | MB      | <0.060  | 0.06  |          |     | 20170824 |
| Total Recoverable Lead     | Misc. So | EPA 3010A              | 6010-C     | MB      | <0.060  | 0.06  |          |     | 20170824 |
| Total Recoverable Selenium | Misc. So | EPA 3010A              | 6010-C     | MB      | <0.12   | 0.12  |          |     | 20170824 |
|                            |          | EPA 3010A              | 6010-C     | MB      | <0.060  | 0.06  |          |     | 20170824 |
| ,                          |          | METHOD                 | 7470-A     | LCS     | 0.0051  | 0.001 | 102      |     | 20170824 |
|                            |          | EPA 3010A              | 6010-C     | LCS     | 4.85    | 0.12  | 97       |     | 20170824 |
|                            |          | EPA 3010A              | 6010-C     | LCS     | 10      | 1.2   | 100      |     | 20170824 |
| Total Recoverable Cadmium  | Misc. So | EPA 3010A              | 6010-C     | LCS     | 0.97    | 0.06  | 97       |     | 20170824 |
| Total Chromium             | Misc. So | EPA 3010A              | 6010-C     | LCS     | 4.84    | 0.06  | 97       |     | 20170824 |
| Total Recoverable Lead     |          | EPA 3010A              | 6010-C     | LCS     | 4.66    | 0.06  | 93       |     | 20170824 |
| Total Recoverable Selenium | Misc. So | EPA 3010A              | 6010-C     | LCS     | 0.91    | 0.12  | 91       |     | 20170824 |
| Total Recoverable Silver   | Misc. So | EPA 3010A              | 6010-C     | LCS     | 0.91    | 0.06  | 91       |     | 20170824 |
|                            |          | METHOD                 | 7470-A     | DUP     | <0.020  | 0.02  |          |     | 20170824 |
| Total Recoverable Arsenic  | Misc. So | TCLP                   | 6010-C     | DUP     | <0.12   | 0.12  |          |     | 20170824 |

| Analyte                    | Matrix   | Prep                | Method | QC Type | Result   | MRL     | Recovery | RPD | Date     |
|----------------------------|----------|---------------------|--------|---------|----------|---------|----------|-----|----------|
| Total Recoverable Barium   | Misc. So | TCLP                | 6010-C | DUP     | <1.2     | 1.2     | _        |     | 20170824 |
| Total Recoverable Cadmium  | Misc. So | TCLP                | 6010-C | DUP     | <0.060   | 0.06    |          |     | 20170824 |
| Total Chromium             | Misc. So | TCLP                | 6010-C | DUP     | <0.060   | 0.06    |          |     | 20170824 |
| Total Recoverable Lead     | Misc. So | TCLP                | 6010-C | DUP     | <0.060   | 0.06    |          |     | 20170824 |
| Total Recoverable Selenium | Misc. So | TCLP                | 6010-C | DUP     | <0.12    | 0.12    |          |     | 20170824 |
| Total Recoverable Silver   | Misc. So | TCLP                | 6010-C | DUP     | <0.060   | 0.06    |          |     | 20170824 |
| Total Recoverable Mercury  | Misc. So | TCLP                | 7470-A | MS      | 0.1      | 0.02    | 100      |     | 20170824 |
| Total Recoverable Arsenic  | Misc. So | TCLP                | 6010-C | MS      | 4.93     | 0.12    | 99       |     | 20170824 |
| Total Recoverable Barium   | Misc. So | TCLP                | 6010-C | MS      | 10       | 1.2     | 100      |     | 20170824 |
| Total Recoverable Cadmium  | Misc. So | TCLP                | 6010-C | MS      | 0.943    | 0.06    | 94       |     | 20170824 |
| Total Chromium             | Misc. So | TCLP                | 6010-C | MS      | 4.76     | 0.06    | 95       |     | 20170824 |
| Total Recoverable Lead     | Misc. So | TCLP                | 6010-C | MS      | 4.59     | 0.06    | 92       |     | 20170824 |
| Total Recoverable Selenium | Misc. So | TCLP                | 6010-C | MS      | 0.96     | 0.12    | 96       |     | 20170824 |
| Total Recoverable Silver   | Misc. So | TCLP                | 6010-C | MS      | 0.929    |         | 93       |     | 20170824 |
| Tetrachloro-m-xylene       | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 57       | 0.00002 | 57       |     | 20170824 |
| PCB 209                    | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 73       | 0.00002 | 73       |     | 20170824 |
| gamma-BHC (Lindane)        | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Heptachlor                 | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Heptachlor Epoxide         | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Endrin                     | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Methoxychlor               | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Chlordane                  | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.0010  | 0.001   |          |     | 20170824 |
| Toxaphene                  | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.0020  | 0.002   |          |     | 20170824 |
| Tetrachloro-m-xylene       | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 64       | 0.00002 | 64       |     | 20170824 |
|                            | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 85       | 0.00002 | 85       |     | 20170824 |
| gamma-BHC (Lindane)        | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Heptachlor                 | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Heptachlor Epoxide         |          | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Endrin                     | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Methoxychlor               | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.00010 | 0.0001  |          |     | 20170824 |
| Chlordane                  | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.0010  | 0.001   |          |     | 20170824 |
| Toxaphene                  | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MB      | <0.0020  | 0.002   |          |     | 20170824 |
| Tetrachloro-m-xylene       | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 54       | 0.00002 |          |     | 20170824 |
| PCB 209                    | Misc. So | EPA 1311 / EPA 3511 | 8081-B | SURR    | 45       | 0.00002 | 45       |     | 20170824 |
| gamma-BHC (Lindane)        | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MS      | 0.000161 |         | 64       |     | 20170824 |
| Heptachlor                 | Misc. So | EPA 1311 / EPA 3511 | 8081-B | MS      | 0.000157 | 0.0001  | 63       |     | 20170824 |

| Analyte                  | Matrix   | Prep                 | Method | QC Type | Result   | MRL     | Recovery | RPD | Date     |
|--------------------------|----------|----------------------|--------|---------|----------|---------|----------|-----|----------|
| Heptachlor Epoxide       | Misc. So | EPA 1311 / EPA 3511  | 8081-B | MS      | 0.000153 | 0.0001  | 61       |     | 20170824 |
| Endrin                   | Misc. So | EPA 1311 / EPA 3511  | 8081-B | MS      | 0.000167 | 0.0001  | 67       |     | 20170824 |
| Methoxychlor             | Misc. So | EPA 1311 / EPA 3511  | 8081-B | MS      | 0.000166 | 0.0001  | 67       |     | 20170824 |
| Chlordane                | Misc. So | EPA 1311 / EPA 3511  | 8081-B | MS      | 0.00358  | 0.001   | 72       |     | 20170824 |
| Toxaphene                | Misc. So | EPA 1311 / EPA 3511  | 8081-B | MS      | 0.00711  | 0.002   | 71       |     | 20170824 |
| Tetrachloro-m-xylene     | Misc. So | EPA 1311 / EPA 3511  | 8081-B | SURR    | 58       | 0.00002 | 58       |     | 20170824 |
| PCB 209                  | Misc. So | EPA 1311 / EPA 3511  | 8081-B | SURR    | 89       | 0.00002 | 89       |     | 20170824 |
| gamma-BHC (Lindane)      | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.000227 | 0.0001  | 91       |     | 20170824 |
| Heptachlor               | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.000183 | 0.0001  | 73       |     | 20170824 |
| Heptachlor Epoxide       | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.000208 | 0.0001  | 83       |     | 20170824 |
| Endrin                   | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.000199 |         | 80       |     | 20170824 |
| Methoxychlor             | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.000221 | 0.0001  | 88       |     | 20170824 |
| Chlordane                | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.00497  | 0.001   | 99       |     | 20170824 |
| Toxaphene                | Misc. So | EPA 1311 / EPA 3511  | 8081-B | LCS     | 0.00839  | 0.002   | 84       |     | 20170824 |
| 1,1-Dichloroethene       | Misc. So | EPA 1311 / EPA 5030B | 8260-C | MB      | <0.20    | 0.2     |          |     | 20170824 |
| 2-Butanone (MEK)         | Misc. So | EPA 1311 / EPA 5030B | 8260-C | MB      | <8.0     | 8       |          |     | 20170824 |
| 1,2-Dichloroethane (EDC) | Misc. So | EPA 1311 / EPA 5030B | 8260-C | MB      | <0.20    | 0.2     |          |     | 20170824 |
| Trichloroethene (TCE)    | Misc. So | EPA 1311 / EPA 5030B | 8260-C | MB      | <0.20    | 0.2     |          |     | 20170824 |
| Tetrachloroethene (PCE)  | Misc. So | EPA 1311 / EPA 5030B | 8260-C | MB      | <0.20    | 0.2     |          |     | 20170824 |
| Dibromofluoromethane     | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 93       | 0       | 93       |     | 20170824 |
| Toluene-d8               | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 104      | 0       | 104      |     | 20170824 |
| 4-Bromofluorobenzene     | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 88       | 0       | 88       |     | 20170824 |
| 1,1-Dichloroethene       | Misc. So | EPA 1311 / EPA 5030B | 8260-C | LCS     | 4.36     | 0.2     | 109      |     | 20170824 |
| 2-Butanone (MEK)         | Misc. So | EPA 1311 / EPA 5030B | 8260-C | LCS     | 20       | 8       | 100      |     | 20170824 |
| 1,2-Dichloroethane (EDC) | Misc. So | EPA 1311 / EPA 5030B | 8260-C | LCS     | 3.88     | 0.2     | 97       |     | 20170824 |
| Trichloroethene (TCE)    | Misc. So | EPA 1311 / EPA 5030B | 8260-C | LCS     | 4.15     | 0.2     | 104      |     | 20170824 |
| Tetrachloroethene (PCE)  | Misc. So | EPA 1311 / EPA 5030B | 8260-C | LCS     | 3.93     | 0.2     | 98       |     | 20170824 |
| Dibromofluoromethane     | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 94       | 0       | 94       |     | 20170824 |
| Toluene-d8               | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 107      | 0       | 107      |     | 20170824 |
| 4-Bromofluorobenzene     | Misc. So | EPA 1311 / EPA 5030B | 8260-C | SURR    | 100      | 0       | 100      |     | 20170824 |
| Pyridine                 | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.50    | 0.5     |          |     | 20170824 |
| 2-Methylphenol           | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10    | 0.1     |          |     | 20170824 |
| Hexachloroethane         | Misc. So | EPA 1311 / EPA 3510C | 8270-D | МВ      | <0.10    | 0.1     |          |     | 20170824 |
| 4-Methylphenol           | Misc. So | EPA 1311 / EPA 3510C | 8270-D | МВ      | <0.10    | 0.1     |          |     | 20170824 |
| Nitrobenzene             | Misc. So | EPA 1311 / EPA 3510C | 8270-D | МВ      | <0.10    | 0.1     |          |     | 20170824 |
| Hexachlorobutadiene      | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10    | 0.1     |          |     | 20170824 |

| Analyte               | Matrix   | Prep                 | Method | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------|----------|----------------------|--------|---------|--------|------|----------|-----|----------|
| 2,4,6-Trichlorophenol | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10  | 0.1  |          |     | 20170824 |
| 2,4,5-Trichlorophenol | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10  | 0.1  |          |     | 20170824 |
| 2,4-Dinitrotoluene    | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Hexachlorobenzene     | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.10  | 0.1  |          |     | 20170824 |
| Pentachlorophenol     | Misc. So | EPA 1311 / EPA 3510C | 8270-D | MB      | <0.25  | 0.25 |          |     | 20170824 |
| Phenol-d6             | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 73     | 0    | 73       |     | 20170824 |
| Nitrobenzene-d5       | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 80     | 0    | 80       |     | 20170824 |
| 2-Fluorobiphenyl      | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 81     | 0    | 81       |     | 20170824 |
| 2,4,6-Tribromophenol  | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 110    | 0    | 110      |     | 20170824 |
| p-Terphenyl-d14       | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 108    | 0    | 108      |     | 20170824 |
| Pyridine              | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 1.39   | 0.5  | 69       |     | 20170824 |
| 2-Methylphenol        | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.922  | 0.1  | 92       |     | 20170824 |
| Hexachloroethane      | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.775  | 0.1  | 78       |     | 20170824 |
| 4-Methylphenol        | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.892  | 0.1  | 89       |     | 20170824 |
| Nitrobenzene          | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.837  | 0.1  | 84       |     | 20170824 |
| Hexachlorobutadiene   | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.917  | 0.1  | 92       |     | 20170824 |
| 2,4,6-Trichlorophenol | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.938  | 0.1  | 94       |     | 20170824 |
| 2,4,5-Trichlorophenol | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.873  | 0.1  | 87       |     | 20170824 |
| 2,4-Dinitrotoluene    | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 0.865  | 0.1  | 86       |     | 20170824 |
| Hexachlorobenzene     | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 1.16   | 0.1  | 116      |     | 20170824 |
| Pentachlorophenol     | Misc. So | EPA 1311 / EPA 3510C | 8270-D | LCS     | 1.02   | 0.25 | 102      |     | 20170824 |
| Phenol-d6             | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 77     | 0    | 77       |     | 20170824 |
| Nitrobenzene-d5       | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 83     | 0    | 83       |     | 20170824 |
| 2-Fluorobiphenyl      | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 86     | 0    | 86       |     | 20170824 |
| 2,4,6-Tribromophenol  | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 116    | 0    | 116      |     | 20170824 |
| p-Terphenyl-d14       | Misc. So | EPA 1311 / EPA 3510C | 8270-D | SURR    | 96     | 0    | 96       |     | 20170824 |
| Pyridine              | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 1.34   | 0.5  | 67       | 4   | 20170824 |
| 2-Methylphenol        | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.835  | 0.1  | 83       | 10  | 20170824 |
| Hexachloroethane      | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.728  | 0.1  | 73       | 6   | 20170824 |
| 4-Methylphenol        | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.812  | 0.1  | 81       | 9   | 20170824 |
| Nitrobenzene          | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.806  | 0.1  | 81       | 4   | 20170824 |
| Hexachlorobutadiene   | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.848  | 0.1  | 85       | 8   | 20170824 |
| 2,4,6-Trichlorophenol |          | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.819  | 0.1  | 82       | 13  | 20170824 |
| 2,4,5-Trichlorophenol | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.81   | 0.1  | 81       | 7   | 20170824 |
| 2,4-Dinitrotoluene    | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 0.696  | 0.1  | 70       | 22  | 20170824 |
| Hexachlorobenzene     | Misc. So | EPA 1311 / EPA 3510C | 8270-D | DLCS    | 1.02   | 0.1  | 102      | 13  | 20170824 |

| Analyte                    | Matrix   | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|----------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Pentachlorophenol          | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | DLCS    | 0.929  | 0.25 | 93       | 9   | 20170824 |
| Phenol-d6                  | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | SURR    | 78     | 0    | 78       |     | 20170824 |
| Nitrobenzene-d5            | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | SURR    | 87     | 0    | 87       |     | 20170824 |
| 2-Fluorobiphenyl           | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | SURR    | 86     | 0    | 86       |     | 20170824 |
| 2,4,6-Tribromophenol       | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | SURR    | 113    | 0    | 113      |     | 20170824 |
| p-Terphenyl-d14            | Misc. So | EPA 1311 / EPA 3510C   | 8270-D     | SURR    | 94     | 0    | 94       |     | 20170824 |
| Sulfate                    | Water    | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170823 |
| Total Dissolved Solids     | Water    | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170823 |
| Total Dissolved Solids     | Water    | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20170823 |
| Sulfate                    | Water    | NONE                   | 300        | LCS     | 5.2    | 0.1  | 104      |     | 20170823 |
| Sulfate                    | Water    | NONE                   | 300        | DUP     | 0.67   | 0.2  |          | 1   | 20170823 |
| Sulfate                    | Water    | NONE                   | 300        | MS      | 9.24   | 0.4  | 107      |     | 20170823 |
| Sulfate                    | Water    | NONE                   | 300        | DMS     | 9.28   | 0.4  | 108      | 1   | 20170823 |
| Total Recoverable Aluminum | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170823 |
| Total Recoverable Cadmium  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170823 |
| Total Recoverable Mangane  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170823 |
| Total Recoverable Aluminum | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.2   | 1    | 92       |     | 20170823 |
| Total Recoverable Cadmium  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 0.02 | 98       |     | 20170823 |
| Total Recoverable Mangane  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 1    | 96       |     | 20170823 |
| Total Recoverable Aluminum | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 104    | 1    |          | 3   | 20170823 |
| Total Recoverable Cadmium  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20170823 |
| Total Recoverable Mangane  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 42.8   | 1    |          | 4   | 20170823 |
| Total Recoverable Aluminum | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 201    | 1    | 93       |     | 20170823 |
| Total Recoverable Cadmium  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 0.02 | 101      |     | 20170823 |
| Total Recoverable Mangane  | Water    | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 67.7   | 1    | 92       |     | 20170823 |
| Ammonia as N               | Water    | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Nitrate as N               |          | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170830 |
| Turbidity Lab              | Water    | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Nitrate as N               | Water    | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170830 |
| Ammonia as N               |          | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 1    | 97       |     | 20170830 |
| Nitrate as N               | Water    | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20170830 |
| Turbidity Lab              | Water    | NONE                   | 180.1      | LCS     | 6.04   | 0.1  | 93       |     | 20170830 |
| Nitrate as N               | Water    | NONE                   | 300        | DUP     | 8.77   | 0.25 |          | 1   | 20170830 |
| Nitrate as N               | Water    | NONE                   | 300        | MS      | 32.6   | 0.5  | 119      |     | 20170830 |
| Nitrate as N               | Water    | NONE                   | 300        | DMS     | 32.6   | 0.5  | 119      | 1   | 20170830 |
| Total Recoverable Iron     | Water    | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170830 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170830 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170830 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170830 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170830 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170830 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170830 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170830 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170830 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170830 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170830 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 46.8   | 1    | 94       |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.4   | 1    | 93       | 1   | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.95   | 0.5  | 99       |     | 20170830 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170830 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20170830 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170830 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 1    | 97       |     | 20170830 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20170830 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.2    | 0.1  | 104      |     | 20170830 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.04   | 0.1  | 93       |     | 20170830 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170830 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170830 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170830 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170830 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2440   | 50   | 98       |     | 20170830 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 91.3   | 1    | 91       |     | 20170830 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 0.02 | 101      |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 97       |     | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.8   | 0.16 | 102      |     | 20170830 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 1    | 98       |     | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20170830 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.4   | 1    | 101      |     | 20170830 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.2   | 0.1  | 98       |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20170830 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 60     | 50   |          | 5   | 20170830 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.9    | 1    |          | 1   | 20170830 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170830 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.3    | 1    |          | 1   | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170830 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170830 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170830 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1060   | 50   | 99       |     | 20170830 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 97.4   | 1    | 88       |     | 20170830 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.3   | 0.02 | 101      |     | 20170830 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 1    | 96       |     | 20170830 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.4   | 0.16 | 101      |     | 20170830 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|-----|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 33.2   | 1   | 100      |     | 20170830 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.5   | 1   | 94       |     | 20170830 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 1   | 103      |     | 20170830 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1 | 98       |     | 20170830 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.5   | 2.5 | 98       |     | 20170830 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1   |          |     | 20170830 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 259    | 1   |          | 2   | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1   |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1   |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1   |          |     | 20170830 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.95   | 0.5 | 99       |     | 20170830 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2   |          |     | 20170816 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4   |          |     | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10  |          |     | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10  | 96       |     | 20170816 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20  | 93       |     | 20170816 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4   |          | NC  | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2   |          |     | 20170816 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4   |          |     | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10  |          |     | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10  | 96       |     | 20170816 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20  | 93       |     | 20170816 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2   |          |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5   |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10  |          |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4   |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10  | 96       |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20  | 99       |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4   |          | NC  | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10  |          |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4   |          |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10  | 96       |     | 20170821 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20  | 99       |     | 20170821 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10  |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1 |          |     | 20170831 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1   |          |     | 20170831 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170831 |
| Nitrate as N               |        | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
|                            | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170831 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170831 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170831 |
|                            | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170831 |
|                            | Water  | NONE                   | 2510       | LCS     | 239    | 5    | 102      |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20170831 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170831 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.66   |      | 99       |     | 20170831 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.91   | 0.1  | 98       |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.92   | 0.1  | 91       |     | 20170831 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.67   |      |          | 1   | 20170831 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170831 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170831 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4820   | 10   | 96       |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170831 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 2.5  | 101      |     | 20170831 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170831 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 1    | 101      |     | 20170831 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 98       |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170831 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.2   | 2.5  | 102      |     | 20170831 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.17   | 0.2  | 103      |     | 20170831 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170831 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.2   | 2.5  | 102      |     | 20170831 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170831 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20170831 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.91   | 0.1  | 98       |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.92   | 0.1  | 91       |     | 20170831 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170831 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170831 |
|                            | Water  | NONE                   | 180.1      | DUP     | 0.35   | 0.1  |          | 1   | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170831 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170831 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170831 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170831 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170831 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170831 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170831 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 1    | 101      |     | 20170831 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 98       |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.67   | 0.5  | 93       |     | 20170831 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170831 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.3   | 0.5  | 101      |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20170831 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.91   | 0.1  | 98       |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.92   | 0.1  | 91       |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170831 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170831 |
| 11                         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170831 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170831 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170831 |
| Total Recoverable Lead     |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170831 |
| Total Recoverable Nickel   |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 1    | 101      |     | 20170831 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 0.1  | 98       |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 46.2   | 1    | 92       |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 47.2   | 1    | 94       | 2   | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.67   | 0.5  | 93       |     | 20170831 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.4   | 0.5  | 102      |     | 20170831 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.92   | 0.1  | 91       |     | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.82   | 0.1  |          | 1   | 20170831 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.36   | 0.1  |          | 1   | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 4.82   | 0.1  | 100      |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.83   | 0.1  | 100      | 1   | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170831 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170831 |
| Total Recoverable Sodium   |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170831 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170831 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170831 |
| Total Recoverable Magnesiι | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170831 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20170831 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.67   | 0.5  | 93       |     | 20170831 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170831 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170831 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170905 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170905 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170905 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170905 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20170905 |
| Phosphorus                 | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20170905 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20170905 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.4   | 0.5  | 102      |     | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 24.4   | 0.5  | 102      |     | 20170905 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 117    | 5    | 97       |     | 20170905 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170905 |
| Nitrite as N                | Water  | METHOD                 | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20170905 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.98   | 0.2  | 105      |     | 20170905 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | LCS     | 8.17   | 0.1  | 95       |     | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.3   | 0.5  | 105      |     | 20170905 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 116    | 5    | 96       |     | 20170905 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 116    | 5    | 96       |     | 20170905 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 4240   | 80   | 94       |     | 20170905 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 4190   | 80   | 93       | 1   | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 4.13   | 0.5  |          | 1   | 20170905 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DUP     | <0.010 | 0.01 |          | NC  | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.66   | 0.5  |          | 7   | 20170905 |
| Nitrate as N                | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          | NC  | 20170905 |
| Nitrite as N                | Water  | METHOD                 | 300        | DUP     | <0.050 | 0.05 |          | NC  | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.77   | 0.5  |          | 4   | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.72   | 0.5  |          | 1   | 20170905 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 31.1   | 0.5  | 108      |     | 20170905 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | MS      | 0.508  | 0.01 | 102      |     | 20170905 |
| Nitrate as N                | Water  | METHOD                 | 300        | MS      | 3.83   | 0.1  | 96       |     | 20170905 |
| Nitrite as N                | Water  | METHOD                 | 300        | MS      | 3.87   | 0.1  | 97       |     | 20170905 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DMS     | 0.485  | 0.01 | 97       | 5   | 20170905 |
| Nitrate as N                | Water  | METHOD                 | 300        | DMS     | 3.87   | 0.1  | 97       | 1   | 20170905 |
| Nitrite as N                | Water  | METHOD                 | 300        | DMS     | 3.87   | 0.1  | 97       | 1   | 20170905 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170905 |
| Total Recoverable Sulfur    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20170905 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20170905 |
| Total Recoverable Sulfur    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9950   | 40   | 99       |     | 20170905 |
| Total Recoverable Potassiur |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 29400  | 1000 |          | 4   | 20170905 |
| Total Recoverable Sulfur    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 137000 | 40   |          | 2   | 20170905 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 41000  | 1000 | 104      |     | 20170905 |
| Total Recoverable Sulfur    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 151000 | 40   | 102      |     | 20170905 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170831 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170831 |

| Analyte                   | Matrix   | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|---------------------------|----------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chloride                  | Water    | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Color                     | Water    | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170831 |
| Nitrate as N              | Water    | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Sulfate                   | Water    | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Turbidity Lab             | Water    | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170831 |
| Total Suspended Solids    | Water    | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170831 |
| Total Dissolved Solids    | Water    | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170831 |
| Total Suspended Solids    | Water    | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170831 |
| Total Dissolved Solids    | Water    | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170831 |
| Ammonia as N              | Water    | METHOD                 | 4500-NH3 G | LCS     | 10.4   | 0.5  | 102      |     | 20170831 |
| Chloride                  | Water    | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | LCS     | 1.03   | 0.05 | 103      |     | 20170831 |
| Color                     | Water    | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20170831 |
| Nitrate as N              | Water    | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170831 |
| Sulfate                   | Water    | METHOD                 | 300        | LCS     | 4.84   | 0.1  | 97       |     | 20170831 |
| Turbidity Lab             | Water    | NONE                   | 180.1      | LCS     | 5.95   | 0.1  | 91       |     | 20170831 |
| Total Suspended Solids    | Water    | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | LCS     | 1.01   | 0.05 | 101      |     | 20170831 |
| Total Dissolved Solids    | Water    | NONE                   | 2540-C     | DUP     | 78     | 10   |          | 8   | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20170831 |
| Color                     | Water    | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20170831 |
| Chloride                  | Water    | METHOD                 | 300        | DUP     | <1.0   | 1    |          | NC  | 20170831 |
| Nitrate as N              | Water    | METHOD                 | 300        | DUP     | 0.23   | 0.05 |          | 1   | 20170831 |
| Sulfate                   | Water    | METHOD                 | 300        | DUP     | 4.24   | 0.1  |          | 2   | 20170831 |
| Total Residual Chlorine   | Water    | NONE                   | 4500-CI G  | MS      | 1.01   | 0.05 | 101      |     | 20170831 |
| Chloride                  | Water    | METHOD                 | 300        | MS      | 4.1    | 2    | 104      |     | 20170831 |
| Nitrate as N              | Water    | METHOD                 | 300        | MS      | 4.09   | 0.1  | 96       |     | 20170831 |
| Sulfate                   | Water    | METHOD                 | 300        | MS      | 8.09   | 0.2  | 94       |     | 20170831 |
| Chloride                  | Water    | METHOD                 | 300        | DMS     | 4.2    | 2    | 104      | 1   | 20170831 |
| Nitrate as N              | Water    | METHOD                 | 300        | DMS     | 4.13   | 0.1  | 98       | 1   | 20170831 |
| Sulfate                   | Water    | METHOD                 | 300        | DMS     | 8.13   | 0.2  | 95       | 1   | 20170831 |
| Total Recoverable Iron    | Water    | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170831 |
| Total Recoverable Aluminu | ım Water | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Cadmiu  | m Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170831 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170831 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2440   | 50   | 98       |     | 20170831 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.3   | 1    | 91       |     | 20170831 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20170831 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20170831 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 0.16 | 102      |     | 20170831 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.6   | 1    | 98       |     | 20170831 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20170831 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 1    | 101      |     | 20170831 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170831 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.67   | 0.5  | 93       |     | 20170831 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170831 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170905 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170905 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170905 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170905 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170905 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170905 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170905 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170905 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170905 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       | 1   | 20170905 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.44   | 0.5  | 93       |     | 20170905 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20170905 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20170905 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37    | 0.05 | 95       |     | 20170905 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.18    | 0.1  | 104      |     | 20170905 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.99    | 0.1  | 92       |     | 20170905 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404     | 20   | 94       |     | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.01    | 0.05 | 101      |     | 20170905 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10   | 0.1  |          | NC  | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | < 0.050 | 0.05 |          | NC  | 20170905 |
|                            | Water  | NONE                   | 2120-B     | DUP     | 20      | 5    |          | 1   | 20170905 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0    | 4    |          | NC  | 20170905 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.76    | 0.1  |          | 5   | 20170905 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.86    | 0.1  | 93       |     | 20170905 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 1.06    | 0.05 | 106      |     | 20170905 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.83    | 0.1  | 92       | 1   | 20170905 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20170905 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20170905 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20170905 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170905 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20170905 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170905 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16   | 0.16 |          |     | 20170905 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170905 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20170905 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580    | 50   | 103      |     | 20170905 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11400   | 1000 | 91       |     | 20170905 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11300   | 1000 | 91       |     | 20170905 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 102     | 1    | 102      |     | 20170905 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 27      | 0.02 | 108      |     | 20170905 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5    | 1    | 100      |     | 20170905 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.1    | 0.16 | 106      |     | 20170905 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4    | 1    | 105      |     | 20170905 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2    | 1    | 101      |     | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.5    | 1    | 105      |     | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6    | 2.5  | 102      |     | 20170905 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 72      | 50   |          | 10  | 20170905 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1400   | 1000 |          | 4   | 20170905 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1000   | 1000 |          | NC  | 20170905 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 113    | 50   |          | 2   | 20170905 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 2100   | 1000 |          | 2   | 20170905 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 3400   | 1000 |          | 2   | 20170905 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 36.1   | 1    |          | 1   | 20170905 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170905 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.7    | 1    |          | 3   | 20170905 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170905 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.9    | 1    |          | 1   | 20170905 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170905 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 39.8   | 1    |          | 3   | 20170905 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | NC  | 20170905 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 2.2    | 1    |          | 1   | 20170905 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170905 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.4    | 1    |          | 1   | 20170905 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170905 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1120   | 50   | 106      |     | 20170905 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10300  | 1000 | 90       |     | 20170905 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10000  | 1000 | 100      |     | 20170905 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1190   | 50   | 107      |     | 20170905 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11200  | 1000 | 90       |     | 20170905 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 12700  | 1000 | 93       |     | 20170905 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 140    | 1    | 103      |     | 20170905 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 27.1   | 0.02 | 109      |     | 20170905 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 15.5   | 1    | 103      |     | 20170905 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.8   | 0.16 | 106      |     | 20170905 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 30     | 1    | 109      |     | 20170905 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.6   | 1    | 102      |     | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.1   | 1    | 104      |     | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.8   | 2.5  | 107      |     | 20170905 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 143    | 1    | 104      |     | 20170905 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 27     | 0.02 | 108      |     | 20170905 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 14.7   | 1    | 100      |     | 20170905 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.3   | 0.16 | 105      |     | 20170905 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 33     | 1    | 107      |     | 20170905 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 1    | 100      |     | 20170905 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.6   | 1    | 105      |     | 20170905 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.3   | 2.5  | 105      |     | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 52.1   | 1    | 101      |     | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 52.8   | 1    | 102      | 1   | 20170905 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.43   | 0.5  | 109      |     | 20170905 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170905 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 40.9   | 1    |          | 4   | 20170905 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170905 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 7.5    | 1    |          | 4   | 20170905 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170825 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170825 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20170825 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20170825 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170825 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20170825 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20170825 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170906 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170906 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 5      | 1    | 100      |     | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 239    | 5    | 102      |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20170906 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170906 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.71   | 0.1  |          | 1   | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 1040   | 5    |          | 1   | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.73   | 0.1  | 101      |     | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.71   | 0.1  | 99       | 2   | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170906 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4620   | 10   | 92       |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170906 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.6   | 2.5  | 105      |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 27     | 0.02 | 108      |     | 20170906 |

|                            | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.1   | 0.16 | 106      |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.5   | 1    | 105      |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 0.1  | 102      |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 2.5  | 102      |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.1   | 2.5  | 101      |     | 20170906 |
|                            |        | METHOD                 | 7470-A     | LCS     | 4.86   | 0.2  | 97       |     | 20170906 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170906 |
|                            | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170906 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170906 |
|                            |        | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170906 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 5      | 1    | 100      |     | 20170906 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 239    | 5    | 102      |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20170906 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170906 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.69   |      | 100      |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170906 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 6.41   |      |          | 1   | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170906 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170906 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4620   | 10   | 92       |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170906 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.6   | 2.5  | 105      |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 27     | 0.02 | 108      |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.1   | 0.16 | 106      |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.5   | 1    | 105      |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 0.1  | 102      |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 2.5  | 102      |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.1   | 2.5  | 101      |     | 20170906 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.86   | 0.2  | 97       |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170906 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20170906 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 11.1   | 2.5  | 111      |     | 20170906 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 5.09   | 0.2  | 102      |     | 20170906 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170906 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170906 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.21   | 0.1  |          | 13  | 20170906 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170906 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170906 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170906 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2580   | 50   | 103      |     | 20170906 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11400  | 1000 | 91       |     | 20170906 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11300  | 1000 | 91       |     | 20170906 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 102    | 1    | 102      |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 27     | 0.02 | 108      |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.1   | 0.16 | 106      |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 1    | 105      |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 2.5  | 102      |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 45.2   | 1    | 90       |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.8   | 1    | 94       | 3   | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5      | 0.5  | 100      |     | 20170906 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170906 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170906 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.1   | 0.5  | 99       |     | 20170906 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20170906 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20170906 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1  | 91       |     | 20170906 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.5    | 0.1  |          | 1   | 20170906 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 759    | 10   |          | 1   | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.49   | 0.1  | 99       |     | 20170906 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.49   | 0.1  | 98       | 1   | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 101    | 1    | 101      |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.4   | 0.02 | 106      |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20170906 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.5   | 0.16 | 103      |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 1    | 103      |     | 20170906 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.9   | 1    | 100      |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 2.5  | 102      |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2550   | 50   | 102      |     | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.8    | 1    |          | 1   | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 15.4   | 1    |          | 1   | 20170906 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170906 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 199    | 50   |          | 3   | 20170906 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 107    | 1    | 99       |     | 20170906 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.2   | 0.02 | 105      |     | 20170906 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 1    | 100      |     | 20170906 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.3   | 0.16 | 101      |     | 20170906 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41.8   | 1    | 105      |     | 20170906 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 1    | 100      |     | 20170906 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51     | 1    | 102      |     | 20170906 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 99       |     | 20170906 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 2.5  | 101      |     | 20170906 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1280   | 50   | 107      |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170906 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5      | 0.5  | 100      |     | 20170906 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170906 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 259    | 1    |          | 2   | 20170906 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170911 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170911 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170911 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170911 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170911 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170911 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170911 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170911 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170911 |
| Ammonia as N               | Water  | 4500-NH3 B             | 4500-NH3 G | LCS     | 9.99   | 1    | 98       |     | 20170911 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.87   | 1    | 97       |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20170911 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20170911 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170911 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.84   | 0.1  | 97       |     | 20170911 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.02   | 0.1  | 92       |     | 20170911 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.95   | 0.05 | 95       |     | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | 0   | 20170911 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 90     | 10   |          | 1   | 20170911 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | 0   | 20170911 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.81   | 0.1  |          | 1   | 20170911 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.99   | 0.05 | 99       |     | 20170911 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.04   | 0.1  | 104      |     | 20170911 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.04   | 0.1  | 104      | 1   | 20170911 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170911 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170911 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170911 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170911 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170911 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170911 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.2   | 1    | 95       |     | 20170911 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 0.02 | 107      |     | 20170911 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 110      |     | 20170911 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170911 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 1    | 107      |     | 20170911 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170911 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 1    | 104      |     | 20170911 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170911 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 365    | 50   |          | 2   | 20170911 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 121    | 1    |          | 1   | 20170911 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.026  | 0.02 |          | 7   | 20170911 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170911 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170911 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 35.9   | 1    |          | 1   | 20170911 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170911 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170911 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170911 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1370   | 50   | 100      |     | 20170911 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 225    | 1    | 105      |     | 20170911 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.8   | 0.02 | 107      |     | 20170911 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 14.2   | 1    | 114      |     | 20170911 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.1   | 0.16 | 104      |     | 20170911 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 62.9   | 1    | 107      |     | 20170911 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.3   | 1    | 105      |     | 20170911 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.4   | 1    | 101      |     | 20170911 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 28.7   | 2.5  | 115      |     | 20170911 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170911 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170911 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170911 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 48.4   | 1    | 91       |     | 20170911 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.4   | 1    | 87       | 4   | 20170911 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5      | 0.5  | 100      |     | 20170911 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170911 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 65.6   | 1    |          | 2   | 20170911 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170920 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.9   | 1    | 107      |     | 20170920 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170920 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 0.1  | 98       |     | 20170920 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.62   | 0.1  |          | 1   | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.96   | 0.2  | 118      |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.86   | 0.2  | 113      | 4   | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170920 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |

| Analyte                    | Matrix | •                      | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2420   | 50   | 97       |     | 20170920 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 95.2   | 1    | 95       |     | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 0.02 | 107      |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.8   | 1    | 110      |     | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.9   | 0.16 | 106      |     | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 1    | 107      |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 1    | 105      |     | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 1    | 104      |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.3   | 0.1  | 106      |     | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 2.5  | 107      |     | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 621    | 50   |          | 3   | 20170920 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 19     | 1    |          | 12  | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | 0   | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 41.3   | 1    |          | 1   | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          | 0   | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1620   | 50   | 98       |     | 20170920 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 118    | 1    | 101      |     | 20170920 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.2   | 0.02 | 105      |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.6   | 1    | 109      |     | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.7   | 0.16 | 103      |     | 20170920 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 67.4   | 1    | 105      |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.5   | 1    | 106      |     | 20170920 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.8   | 1    | 104      |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 13.1   | 0.1  | 104      |     | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.6   | 2.5  | 106      |     | 20170920 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20170920 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170920 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 245    | 1    |          | 4   | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170920 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.9   | 1    | 107      |     | 20170920 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170920 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 0.1  | 98       |     | 20170920 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.62   | 0.1  |          | 1   | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.96   | 0.2  | 118      |     | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.86   | 0.2  | 113      | 4   | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170920 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170920 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.2   | 1    | 95       |     | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 0.02 | 107      |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 110      |     | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170920 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 1    | 107      |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 1    | 104      |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 0.1  | 106      |     | 20170920 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 621    | 50   |          | 3   | 20170920 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 19     | 1    |          | 12  | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 41.3   | 1    |          | 1   | 20170920 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170920 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20170920 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1620   | 50   | 98       |     | 20170920 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 118    | 1    | 101      |     | 20170920 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.2   | 0.02 | 105      |     | 20170920 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.6   | 1    | 109      |     | 20170920 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.7   | 0.16 | 103      |     | 20170920 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 67.4   | 1    | 105      |     | 20170920 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.5   | 1    | 106      |     | 20170920 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.8   | 1    | 104      |     | 20170920 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.1   | 0.1  | 104      |     | 20170920 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.6   | 2.5  | 106      |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170920 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20170920 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170920 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 245    | 1    |          | 4   | 20170920 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.9   | 1    | 107      |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170919 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170919 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170919 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170919 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20170919 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12100  | 1000 | 96       |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 95.2   | 1    | 95       |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 0.02 | 107      |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 110      |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 1    | 107      |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20170919 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170919 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.9   | 1    | 107      |     | 20170919 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170919 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 243    | 5    | 104      |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170919 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrite as N               | Water  | METHOD                 | 300       | LCS     | 2.36   | 0.05 | 94       |     | 20170919 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 7.66   |      | 99       |     | 20170919 |
| Sulfate                    | Water  | METHOD                 | 300       | LCS     | 4.88   | 0.1  | 98       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.14   | 0.1  | 94       |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 978    | 10   |          | 1   | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 235    | 1    |          | 1   | 20170919 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170919 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170919 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 4.96   | 0.2  | 99       |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5160   | 10   | 103      |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2420   | 50   | 97       |     | 20170919 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53.8   | 2.5  | 108      |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 0.02 | 107      |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.8   | 1    | 110      |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52.9   | 0.16 | 106      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 1    | 107      |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.2   | 1    | 105      |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 1    | 104      |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 13.3   | 0.1  | 106      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.8   | 2.5  | 107      |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 10     | 2.5  | 100      |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | МВ      | <10    | 10   |          |     | 20170901 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170901 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1590   | 10   | 97       |     | 20170901 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170901 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 284    | 10   |          | 2   | 20170901 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170901 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170919 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170919 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.8    | 1    | 97       |     | 20170919 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 243    | 5    | 104      |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.39   | 0.05 | 96       |     | 20170919 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.36   | 0.05 | 94       |     | 20170919 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 7.66   |      | 99       |     | 20170919 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.88   | 0.1  | 98       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 279    | 10   |          | 2   | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.24   | 0.1  |          | 6   | 20170919 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.46   |      |          | 1   | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.23   | 0.1  | 100      |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.22   | 0.1  | 100      | 1   | 20170919 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170919 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.96   | 0.2  | 99       |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5160   | 10   | 103      |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2420   | 50   | 97       |     | 20170919 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 53.8   | 2.5  | 108      |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 0.02 | 107      |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.8   | 1    | 110      |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52.9   | 0.16 | 106      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 1    | 107      |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 52     | 1    | 104      |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 13.3   | 0.1  | 106      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.8   | 2.5  | 107      |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10     | 2.5  | 100      |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170919 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.7   | 2.5  | 107      |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170901 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170901 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1590   | 10   | 97       |     | 20170901 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 430    | 20   | 100      |     | 20170901 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | MB      | <2.0   | 2    |          |     | 20170918 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20170918 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170918 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20170918 |
| Fluoride                   | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170918 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170918 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | LCS     | 965    | 10   | 100      |     | 20170918 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20170918 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170918 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Chloride                    | Water  | METHOD                 | 300       | LCS     | 4.9    | 1    | 98       |     | 20170918 |
| Conductivity                | Water  | NONE                   | 2510      | LCS     | 243    | 5    | 104      |     | 20170918 |
| Fluoride                    | Water  | METHOD                 | 300       | LCS     | 4.79   | 0.1  | 96       |     | 20170918 |
| Nitrate as N                | Water  | METHOD                 | 300       | LCS     | 2.32   | 0.05 | 93       |     | 20170918 |
| pH lab                      | Water  | NONE                   | 4500-H-B  | LCS     | 8.45   |      | 110      |     | 20170918 |
| Sulfate                     | Water  | METHOD                 | 300       | LCS     | 4.87   | 0.1  | 97       |     | 20170918 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B    | DUP     | 43.4   | 5    |          | 1   | 20170918 |
| Conductivity                | Water  | NONE                   | 2510      | DUP     | 90.1   | 5    |          | 1   | 20170918 |
| Aciditiy, Total             | Water  | NONE                   | 2310-B    | DUP     | 1670   | 2    |          | 1   | 20170918 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20170918 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <30    | 30   |          |     | 20170918 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170918 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170918 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <20    | 20   |          |     | 20170918 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170918 |
| Total Recoverable Phosphor  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <40    | 40   |          |     | 20170918 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170918 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <200   | 200  |          |     | 20170918 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20170918 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <20    | 20   |          |     | 20170918 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <2.0   | 2    |          |     | 20170918 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170918 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Cadmium   |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170918 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | МВ      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170918 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | МВ      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | МВ      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | МВ      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170918 |

| Analyte                     | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Vanadiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.20  | 0.2  |          |     | 20170918 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170918 |
| Total Recoverable Zirconiun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.20  | 0.2  |          |     | 20170918 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170918 |
| Total Recoverable Aluminur  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 4880   | 10   | 98       |     | 20170918 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 479    | 30   | 96       |     | 20170918 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12200  | 1000 | 98       |     | 20170918 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2380   | 50   | 95       |     | 20170918 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9880   | 20   | 99       |     | 20170918 |
| Total Recoverable Magnesi   |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12000  | 1000 | 96       |     | 20170918 |
| Total Recoverable Phospho   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10000  | 40   | 100      |     | 20170918 |
| Total Recoverable Potassiui | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12000  | 1000 | 96       |     | 20170918 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11700  | 1000 | 94       |     | 20170918 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10000  | 1    | 100      |     | 20170918 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9600   | 20   | 96       |     | 20170918 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9980   | 2    | 100      |     | 20170918 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9390   | 200  | 94       |     | 20170918 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11     | 0.05 | 110      |     | 20170918 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 52     | 2.5  | 104      |     | 20170918 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 101    | 0.05 | 101      |     | 20170918 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.48   | 0.02 | 99       |     | 20170918 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20170918 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20170918 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 0.02 | 101      |     | 20170918 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 1    | 99       |     | 20170918 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.2   | 0.16 | 102      |     | 20170918 |
| Total Recoverable Mangane   |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.9   | 1    | 104      |     | 20170918 |
| Total Recoverable Molybder  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 20.4   | 0.05 | 102      |     | 20170918 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.6   | 1    | 98       |     | 20170918 |
| Total Recoverable Selenium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.9   | 1    | 104      |     | 20170918 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.7   | 0.1  | 101      |     | 20170918 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.4   | 0.02 | 101      |     | 20170918 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 20.6   | 0.02 | 103      |     | 20170918 |
| Total Recoverable Vanadiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 0.2  | 102      |     | 20170918 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.3   | 2.5  | 105      |     | 20170918 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | LCS     | 4.96   | 0.2  | 99       |     | 20170918 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 16     | 10   |          | 1   | 20170918 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <30    | 30   |          | 0   | 20170918 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 17800  | 1000 |          | 1   | 20170918 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          | 0   | 20170918 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          | 0   | 20170918 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170918 |
| Total Recoverable Phosphor  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <40    | 40   |          | 0   | 20170918 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170918 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1380   | 200  |          | 1   | 20170918 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170918 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 155    | 1    |          | 1   | 20170918 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          | 0   | 20170918 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <2.0   | 2    |          | 0   | 20170918 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.474  | 0.05 |          | 2   | 20170918 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 4.2    | 2.5  |          | 1   | 20170918 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.7   | 0.05 |          | 1   | 20170918 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170918 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20170918 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 51  | 20170918 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20170918 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Molybden  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.469  | 0.05 |          | 1   | 20170918 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.7   | 1    | 107      |     | 20170918 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 21     | 0.05 | 103      |     | 20170918 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 1    | 99       |     | 20170918 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 53.4   | 1    | 107      |     | 20170918 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.6   | 0.1  | 101      |     | 20170918 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.2   | 0.02 | 102      |     | 20170918 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 20.8   | 0.02 | 104      |     | 20170918 |
| Total Recoverable Vanadium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.4   | 0.2  | 104      |     | 20170918 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 34.5   | 2.5  | 108      |     | 20170918 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                             | Water  | METHOD                 | 7470-A     | MS      | 5.15   | 0.2  | 103      |     | 20170918 |
| Hardness, Total             | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170918 |
| Hardness, Total             | Water  | NONE                   | 2340-B     | DUP     | 45.2   | 1    |          | 1   | 20170918 |
| Total Recoverable Selenium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20170918 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20170918 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.104  | 0.02 |          | 2   | 20170918 |
| Total Recoverable Vanadium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.35   | 0.2  |          | 3   | 20170918 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 2.5  |          | 1   | 20170918 |
| Total Recoverable Zirconium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.20  | 0.2  |          |     | 20170918 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          | 0   | 20170918 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1950   | 10   | 97       |     | 20170918 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 494    | 30   | 99       |     | 20170918 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 27700  | 1000 | 99       |     | 20170918 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 977    | 50   | 98       |     | 20170918 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10400  | 20   | 104      |     | 20170918 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 1000 | 103      |     | 20170918 |
| Total Recoverable Phosphor  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 40   | 103      |     | 20170918 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 1000 | 103      |     | 20170918 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 1000 | 103      |     | 20170918 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10400  | 1    | 102      |     | 20170918 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 9770   | 20   | 98       |     | 20170918 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10100  | 2    | 101      |     | 20170918 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11100  | 200  | 97       |     | 20170918 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 0.05 | 111      |     | 20170918 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 57.4   | 2.5  | 106      |     | 20170918 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 117    | 0.05 | 103      |     | 20170918 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 2.58   | 0.02 | 103      |     | 20170918 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 0.02 | 103      |     | 20170918 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.3   | 2.5  | 103      |     | 20170918 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 0.02 | 102      |     | 20170918 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.6   | 1    | 109      |     | 20170918 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.2   | 0.16 | 102      |     | 20170918 |
|                             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170918 |
|                             | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170918 |

| Analyte                 | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Color                   | Water  | NONE   | 2120-B     | MB      | <5.0   | 5    |          |     | 20170918 |
| Nitrate as N            | Water  | METHOD | 300        | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Sulfate                 | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170918 |
| Chloride                | Water  | METHOD | 300        | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Sulfate                 | Water  | METHOD | 300        | MB      | <0.10  | 0.1  |          |     | 20170918 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170918 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170918 |
| Chloride                | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 99       |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 1.04   | 0.05 | 104      |     | 20170918 |
| Color                   | Water  | NONE   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20170918 |
| Nitrate as N            | Water  | METHOD | 300        | LCS     | 2.36   | 0.05 | 95       |     | 20170918 |
| Sulfate                 | Water  | METHOD | 300        | LCS     | 5.13   | 0.1  | 103      |     | 20170918 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20170918 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170918 |
| Chloride                | Water  | METHOD | 300        | LCS     | 4.9    | 1    | 99       |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 1      | 0.05 | 100      |     | 20170918 |
| Sulfate                 | Water  | METHOD | 300        | LCS     | 5.18   | 0.1  | 104      |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 0.97   | 0.05 | 97       |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | DUP     | 97     | 10   |          | 2   | 20170918 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20170918 |
| Color                   | Water  | NONE   | 2120-B     | DUP     | 70     | 5    |          | 1   | 20170918 |
| Turbidity Lab           | Water  | NONE   | 180.1      | DUP     | 0.34   | 0.1  |          | 1   | 20170918 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | DUP     | 735    | 10   |          | 3   | 20170918 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | DUP     | 5      | 5    |          | 18  | 20170918 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | MS      | 2.03   | 0.1  | 101      |     | 20170918 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MS      | 0.96   | 0.05 | 96       |     | 20170918 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.01   | 0.1  | 100      | 1   | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170918 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 104    | 1    | 104      |     | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.3   | 0.02 | 105      |     | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.5   | 0.16 | 103      |     | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.8   | 1    | 103      |     | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.2   | 1    | 101      |     | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.7   | 1    | 103      |     | 20170918 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 2.5  | 102      |     | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 158    | 50   |          | 3   | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 157    | 50   |          | 1   | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 96.5   | 1    |          | 1   | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.1    | 1    |          | 2   | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170918 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 92.6   | 1    |          | 2   | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9      | 1    |          | 2   | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20170918 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1200   | 50   | 104      |     | 20170918 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1190   | 50   | 103      |     | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 195    | 1    | 99       |     | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.2   | 0.02 | 105      |     | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.1   | 1    | 104      |     | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.2   | 0.16 | 102      |     | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 34.9   | 1    | 104      |     | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 1    | 100      |     | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.1   | 1    | 104      |     | 20170918 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.8   | 2.5  | 103      |     | 20170918 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 196    | 1    | 102      |     | 20170918 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 27.1   | 0.02 | 109      |     | 20170918 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.7   | 1    | 109      |     | 20170918 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.8   | 0.16 | 106      |     | 20170918 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 35.7   | 1    | 106      |     | 20170918 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.2   | 1    | 101      |     | 20170918 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 53.8   | 1    | 108      |     | 20170918 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.8   | 2.5  | 107      |     | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 44.6   | 1    | 85       |     | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 41.7   | 1    | 80       | 7   | 20170918 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.02   | 0.5  | 100      |     | 20170918 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170918 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 60.7   | 1    |          | 3   | 20170918 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 119    | 1    | 103      |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.4   | 0.02 | 106      |     | 20170919 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 1    | 101      |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.3   | 0.16 | 101      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 65     | 1    | 110      |     | 20170919 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 1    | 100      |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 54     | 1    | 108      |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.7   | 0.1  | 102      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.5   | 2.5  | 98       |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170919 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
|                            | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170919 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170919 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.95   | 0.1  | 99       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.02   | 0.1  | 92       |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 715    | 10   |          | 1   | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2400   | 50   | 96       |     | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 101    | 1    | 101      |     | 20170919 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170919 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 0.16 | 102      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 1    | 103      |     | 20170919 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 1    | 100      |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 1    | 103      |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 103      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 462    | 50   |          | 4   | 20170919 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 15.2   | 1    |          | 1   | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 36.8   | 1    |          | 2   | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1450   | 50   | 97       |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 50.9   | 1    | 102      |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 51     | 1    | 102      | 1   | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.07   | 0.5  | 101      |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 231    | 1    |          | 3   | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170919 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170919 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.47   | 0.5  | 93       |     | 20170919 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.02   | 0.1  | 92       |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170919 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.27   | 0.1  |          | 4   | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170919 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170919 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170919 |

| Analyte                    | Matrix | •                      | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170919 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2400   | 50   | 96       |     | 20170919 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12000  | 1000 | 96       |     | 20170919 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 800  | 100      |     | 20170919 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 101    | 1    | 101      |     | 20170919 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 0.02 | 105      |     | 20170919 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.7   | 1    | 102      |     | 20170919 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 0.16 | 102      |     | 20170919 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 1    | 103      |     | 20170919 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 1    | 100      |     | 20170919 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 2.5  | 101      |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170919 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.07   | 0.5  | 101      |     | 20170919 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170919 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | 1.1    | 1    |          |     | 20170919 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170912 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170912 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20170912 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20   | 93       |     | 20170912 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170927 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20170927 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20170927 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            |        | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170927 |
|                            |        | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20170927 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20170927 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20170927 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170927 |
|                            | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20170927 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170927 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.54   | 0.5  | 93       |     | 20170927 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 99       |     | 20170927 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.06   | 0.05 | 106      |     | 20170927 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20170927 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20170927 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.16   | 0.1  | 103      |     | 20170927 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.15   | 0.1  | 94       |     | 20170927 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20170927 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.04   | 0.05 | 104      |     | 20170927 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20170927 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 5      | 5    |          | 1   | 20170927 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.5    | 0.1  |          | 1   | 20170927 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 56     | 10   |          | 2   | 20170927 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20170927 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 1.05   | 0.05 | 105      |     | 20170927 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.99   | 0.1  | 100      |     | 20170927 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.98   | 0.1  | 99       | 1   | 20170927 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20170927 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170927 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170927 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170927 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170927 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170927 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170927 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170927 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170927 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170927 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170927 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2460   | 50   | 99       |     | 20170927 |
| Total Recoverable Magnesiı | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12500  | 1000 | 100      |     | 20170927 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20170927 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.5   | 1    | 93       |     | 20170927 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 0.02 | 103      |     | 20170927 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 1    | 101      |     | 20170927 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51     | 0.16 | 102      |     | 20170927 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20170927 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.9   | 1    | 104      |     | 20170927 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.1   | 1    | 100      |     | 20170927 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20170927 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 51     | 50   |          | 13  | 20170927 |
| Total Recoverable Magnesiı | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1000   | 1000 |          | 1   | 20170927 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          | 0   | 20170927 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 21.7   | 1    |          | 1   | 20170927 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20170927 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.5    | 1    |          | 1   | 20170927 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20170927 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 1.6    | 1    |          | 1   | 20170927 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 76  | 20170927 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 0   | 20170927 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20170927 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1040   | 50   | 98       |     | 20170927 |
| Total Recoverable Magnesiเ |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11400  | 1000 | 103      |     | 20170927 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11100  | 1000 | 111      |     | 20170927 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 117    | 1    | 95       |     | 20170927 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.3   | 0.02 | 105      |     | 20170927 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 14.2   | 1    | 102      |     | 20170927 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.9   | 0.16 | 104      |     | 20170927 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 27.7   | 1    | 104      |     | 20170927 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 1    | 95       |     | 20170927 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52     | 1    | 104      |     | 20170927 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 2.5  | 102      |     | 20170927 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170927 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170927 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170927 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.05   | 0.5  | 101      |     | 20170927 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170927 |
|                            | Water  | NONE                   | 200.7 (W)  | DUP     | 6.1    | 1    |          | 2   | 20170927 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170927 |
|                            | Water  | NONE                   | 2340-B     | DUP     | 32     | 1    |          | 3   | 20170927 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20171002 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171002 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171002 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171002 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.54   | 0.5  | 93       |     | 20171002 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.96   | 1    | 99       |     | 20171002 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 237    | 5    | 101      |     | 20171002 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171002 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20171002 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.41   |      | 100      |     | 20171002 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.02   | 0.1  | 100      |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.46   | 0.1  | 99       |     | 20171002 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 6.9    |      |          | 1   | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171002 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171002 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171002 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171002 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5240   | 10   | 105      |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 99       |     | 20171002 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.1   | 2.5  | 102      |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 0.02 | 103      |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20171002 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 0.16 | 102      |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 1    | 104      |     | 20171002 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 1    | 100      |     | 20171002 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171002 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 10.1   | 2.5  | 101      |     | 20171002 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.06   | 0.2  | 101      |     | 20171002 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171002 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 9.9    | 2.5  | 99       |     | 20171002 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171002 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170915 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170915 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 424    | 10   |          | 1   | 20170915 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170915 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170915 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20170915 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171002 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.54   | 0.5  | 93       |     | 20171002 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.46   | 0.1  | 99       |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171002 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171002 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 99       |     | 20171002 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12500  | 1000 | 100      |     | 20171002 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 93       |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 0.02 | 103      |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20171002 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 0.16 | 102      |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171002 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 1    | 104      |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171002 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20171002 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171002 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171002 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171002 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171002 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.54   | 0.5  | 93       |     | 20171002 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171002 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 5.02   | 0.1  | 100      |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.91   | 0.1  | 91       |     | 20171002 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.46   | 0.1  | 99       |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2460   | 50   | 99       |     | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.5   | 1    | 93       |     | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.6   | 0.02 | 103      |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.6   | 1    | 101      |     | 20171002 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51     | 0.16 | 102      |     | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 1    | 104      |     | 20171002 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.1   | 1    | 100      |     | 20171002 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171002 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171002 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 455    | 50   |          | 3   | 20171002 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.7   | 1    |          | 2   | 20171002 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171002 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171002 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20171002 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 34.8   | 1    |          | 1   | 20171002 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.8    | 1    |          | 53  | 20171002 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171002 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20171002 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1430   | 50   | 99       |     | 20171002 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 110    | 1    | 93       |     | 20171002 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20171002 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.9   | 1    | 103      |     | 20171002 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.6   | 0.16 | 99       |     | 20171002 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 60.3   | 1    | 102      |     | 20171002 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.9   | 1    | 91       |     | 20171002 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.1   | 1    | 102      |     | 20171002 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 0.1  | 100      |     | 20171002 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 2.5  | 99       |     | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | MS      | 48.5   | 1    | 97       |     | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | DMS     | 48.3   | 1    | 96.6     | 1   | 20171002 |
| Mercury, Total              | Water  | METHOD                 | 1631      | QCS     | 5.05   | 0.5  | 101      |     | 20171002 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171002 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | DUP     | 232    | 1    |          | 2   | 20171002 |
| Total Recoverable Mercury   | Soil   | METHOD                 | 7471-B    | MB      | <0.02  | 0.02 |          |     | 20171002 |
| Total Recoverable Antimony  | Soil   | EPA 3050B              | 6010-C    | MB      | <4     | 4    |          |     | 20171002 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B              | 6010-C    | MB      | <4     | 4    |          |     | 20171002 |
| Total Recoverable Beryllium | Soil   | EPA 3050B              | 6010-C    | MB      | <0.2   | 0.2  |          |     | 20171002 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B              | 6010-C    | MB      | <0.2   | 0.2  |          |     | 20171002 |
| Total Chromium              | Soil   | EPA 3050B              | 6010-C    | MB      | 0.2    | 8.0  |          |     | 20171002 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B              | 6010-C    | MB      | <0.4   | 0.4  |          |     | 20171002 |
| Total Recoverable Copper    | Soil   | EPA 3050B              | 6010-C    | MB      | <0.8   | 0.8  |          |     | 20171002 |
| Total Recoverable Lead      | Soil   | EPA 3050B              | 6010-C    | MB      | <2     | 2    |          |     | 20171002 |
| Total Recoverable Mangane   | Soil   | EPA 3050B              | 6010-C    | MB      | 0.04   | 0.2  |          |     | 20171002 |
| Total Recoverable Nickel    | Soil   | EPA 3050B              | 6010-C    | MB      | <0.8   | 0.8  |          |     | 20171002 |
| Total Recoverable Selenium  | Soil   | EPA 3050B              | 6010-C    | MB      | <4     | 4    |          |     | 20171002 |
| Total Recoverable Silver    | Soil   | EPA 3050B              | 6010-C    | MB      | <0.8   | 8.0  |          |     | 20171002 |
|                             | Soil   | EPA 3050B              | 6010-C    | MB      | <2     | 2    |          |     | 20171002 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B              | 6010-C    | MB      | <0.8   | 0.8  |          |     | 20171002 |
| Total Recoverable Zinc      | Soil   | EPA 3050B              | 6010-C    | MB      | <1.0   | 1    |          |     | 20171002 |
| Total Recoverable Mercury   | Soil   | METHOD                 | 7471-B    | LCS     | 0.489  | 0.02 | 98       |     | 20171002 |

| Analyte                     | Matrix | Prep      | Method | QC Type | Result | MRL   | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|--------|---------|--------|-------|----------|-----|----------|
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | LCS     | 7.02   | 0.37  | 99       |     | 20171002 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | LCS     | 51     | 4     | 49       |     | 20171002 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | LCS     | 106    | 4     | 108      |     | 20171002 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | LCS     | 66.7   | 0.2   | 101      |     | 20171002 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | LCS     | 123    | 0.2   | 84       |     | 20171002 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | LCS     | 160    | 0.8   | 88       |     | 20171002 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | LCS     | 142    | 0.4   | 88       |     | 20171002 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | LCS     | 111    | 0.8   | 105      |     | 20171002 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | LCS     | 113    | 2     | 87       |     | 20171002 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | LCS     | 353    | 0.2   | 86       |     | 20171002 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | LCS     | 127    | 0.8   | 85       |     | 20171002 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | LCS     | 139    | 4     | 91       |     | 20171002 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | LCS     | 40.5   | 0.8   | 99       |     | 20171002 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | LCS     | 149    | 2     | 85       |     | 20171002 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C | LCS     | 84.4   | 0.8   | 87       |     | 20171002 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | LCS     | 167    | 1     | 87       |     | 20171002 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | DUP     | 0.052  | 0.058 |          | 1   | 20171002 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | DUP     | <11    | 11    |          |     | 20171002 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | DUP     | 3      | 11    |          | 50  | 20171002 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | DUP     | 1.52   | 0.57  |          | 9   | 20171002 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | DUP     | 0.17   | 0.57  |          | 138 | 20171002 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | DUP     | 34.8   | 2.3   |          | 6   | 20171002 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | DUP     | <1.1   | 1.1   |          |     | 20171002 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | DUP     | 43.2   | 2.3   |          | 2   | 20171002 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | DUP     | <5.7   | 5.7   |          |     | 20171002 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | DUP     | 14300  | 0.57  |          | 5   | 20171002 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | DUP     | 20.3   | 2.3   |          | 14  | 20171002 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | DUP     | <11    | 11    |          |     | 20171002 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | DUP     | <2.3   | 2.3   |          |     | 20171002 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | DUP     | 2.5    | 5.7   |          | NC  | 20171002 |
| Total Recoverable Vanadiun  | Soil   | EPA 3050B | 6010-C | DUP     | 15.3   | 2.3   |          | 9   | 20171002 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | DUP     | 93.2   | 2.8   |          | 4   | 20171002 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | MS      | 1.46   | 0.063 | 90       |     | 20171002 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | MS      | 266    | 14    | 78       |     | 20171002 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | MS      | 344    | 14    | 100      |     | 20171002 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | MS      | 35.5   | 0.68  | 101      |     | 20171002 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Soil   | EPA 3050B              | 6010-C     | MS      | 32.5   | 0.68 | 93       |     | 20171002 |
| Total Chromium             | Soil   | EPA 3050B              | 6010-C     | MS      | 166    | 2.7  | 98       |     | 20171002 |
| Total Recoverable Cobalt   | Soil   | EPA 3050B              | 6010-C     | MS      | 329    | 1.4  | 97       |     | 20171002 |
| Total Recoverable Copper   | Soil   | EPA 3050B              | 6010-C     | MS      | 220    | 2.7  | 105      |     | 20171002 |
| Total Recoverable Lead     | Soil   | EPA 3050B              | 6010-C     | MS      | 308    | 6.8  | 91       |     | 20171002 |
| Total Recoverable Mangane  | Soil   | EPA 3050B              | 6010-C     | MS      | 14400  | 0.68 | 236      |     | 20171002 |
| Total Recoverable Nickel   | Soil   | EPA 3050B              | 6010-C     | MS      | 339    | 2.7  | 95       |     | 20171002 |
| Total Recoverable Selenium | Soil   | EPA 3050B              | 6010-C     | MS      | 292    | 14   | 86       |     | 20171002 |
| Total Recoverable Silver   | Soil   | EPA 3050B              | 6010-C     | MS      | 31.4   | 2.7  | 92       |     | 20171002 |
| Total Recoverable Thallium | Soil   | EPA 3050B              | 6010-C     | MS      | 64.1   | 6.8  | 94       |     | 20171002 |
| Total Recoverable Vanadiun | Soil   | EPA 3050B              | 6010-C     | MS      | 358    | 2.7  | 101      |     | 20171002 |
| Total Recoverable Zinc     | Soil   | EPA 3050B              | 6010-C     | MS      | 418    | 3.4  | 97       |     | 20171002 |
| Total Solids               | Soil   | NONE                   | 160.3_M    | DUP     | 32.3   |      |          | 9   | 20171002 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171009 |
| Sulfate                    | Water  |                        | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  |                        | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Sulfate                    | Water  |                        | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  |                        | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 2.03   | 0.1  | 99       |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 93       |     | 20171009 |
| Sulfate                    | Water  |                        | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  |                        | 180.1      | LCS     | 5.99   | 0.1  | 92       |     | 20171009 |
| Sulfate                    | Water  |                        | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  |                        | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.43   | 0.1  |          | 6   | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.43   | 0.1  | 108      |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.39   | 0.1  | 105      | 3   | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171009 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171009 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171009 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2490   | 50   | 99       |     | 20171009 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.4   | 1    | 93       |     | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.02 | 102      |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.7   | 1    | 99       |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 0.1  | 102      |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 230    | 50   |          | 5   | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 13.9   | 1    |          | 1   | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 20.1   | 1    |          | 1   | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | 26  | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1220   | 50   | 98       |     | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 102    | 1    | 88       |     | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.6   | 0.02 | 102      |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 1    | 100      |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.8   | 0.16 | 100      |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46     | 1    | 103      |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 1    | 91       |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.5   | 1    | 103      |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.4   | 0.1  | 99       |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.7   | 2.5  | 99       |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171009 |
|                            | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MS      | 46.2   | 1    | 92       |     | 20171009 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.5   | 1    | 93       | 1   | 20171009 |
| Mercury, Total             |        | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20171009 |
| Hardness, Total            | Water  |                        | 2340-B     | MB      | <1     | 1    |          |     | 20171009 |
| Hardness, Total            | Water  |                        | 2340-B     | DUP     | 245    | 1    |          | 2   | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170922 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170922 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170922 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20170922 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 416    | 20   | 97       |     | 20170922 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 2.03   | 0.1  | 99       |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 93       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.99   | 0.1  | 92       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171004 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171004 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171004 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171004 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171004 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171004 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 2.03   | 0.1  | 99       |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 93       |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.99   | 0.1  | 92       |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 248    | 10   |          | 1   | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171009 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171009 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171009 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171009 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20171009 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.7   | 1    | 99       |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20171009 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171009 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171009 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171009 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 2.03   | 0.1  | 99       |     | 20171009 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.31   | 0.05 | 93       |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.99   | 0.1  | 92       |     | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171009 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171009 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.94   | 0.1  | 91       |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 248    | 10   |          | 1   | 20171009 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171009 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171009 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171009 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171009 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20171009 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20171009 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171009 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171009 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171009 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171009 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171009 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171009 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.7   | 1    | 99       |     | 20171009 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20171009 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171009 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.81   | 0.5  | 96       |     | 20171009 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171009 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171009 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171004 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171004 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 0.5  | 97       |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.28   | 0.05 | 91       |     | 20171004 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.65   | 0.1  | 93       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87   | 0.1  | 90       |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171004 |
|                            | Water  | NONE                   | 180.1      | DUP     | 0.46   | 0.1  |          | 4   | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 725    | 10   |          | 2   | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171004 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171004 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171004 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171004 |

| •                          | Matrix | · ·                    | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.7   | 1    | 99       |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 199    | 50   |          | 1   | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 11.1   | 1    |          | 1   | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.4   | 1    |          | 2   | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 246    | 1    |          | 1   | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1180   | 50   | 98       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 98.8   | 1    | 88       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 0.02 | 101      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 1    | 96       |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49     | 0.16 | 98       |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41.1   | 1    | 98       |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.9   | 1    | 92       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50     | 1    | 100      |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 97       |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.4   | 2.5  | 94       |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.06   | 0.5  | 101      |     | 20171004 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171004 |
| ,                          | Water  | NONE                   | 2340-B     | DUP     | 246    | 1    |          | 1   | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171004 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171004 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171004 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171004 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 0.5  | 97       |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.28   | 0.05 | 91       |     | 20171004 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.65   | 0.1  | 93       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87   | 0.1  | 90       |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.46   | 0.1  |          | 4   | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 725    | 10   |          | 2   | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.7   | 1    | 99       |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 199    | 50   |          | 1   | 20171004 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 11.1   | 1    |          | 1   | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171004 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.4   | 1    |          | 2   | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1180   | 50   | 98       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 98.8   | 1    | 88       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 0.02 | 101      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12     | 1    | 96       |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49     | 0.16 | 98       |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41.1   | 1    | 98       |     | 20171004 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 22.9   | 1    | 92       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50     | 1    | 100      |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 97       |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.4   | 2.5  | 94       |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.06   | 0.5  | 101      |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 0.5  | 97       |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.28   | 0.05 | 91       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87   | 0.1  | 90       |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.46   | 0.1  |          | 4   | 20171004 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | DUP     | 725    | 10   |          | 2   | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2490   | 50   | 99       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.4   | 1    | 93       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.02 | 102      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.7   | 1    | 99       |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 0.1  | 102      |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 199    | 50   |          | 1   | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.1   | 1    |          | 1   | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.4   | 1    |          | 2   | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 16.4   | 1    |          | 2   | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171004 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 98       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 98.8   | 1    | 88       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.3   | 0.02 | 101      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 1    | 96       |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49     | 0.16 | 98       |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 41.1   | 1    | 98       |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.9   | 1    | 92       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50     | 1    | 100      |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.2   | 0.1  | 97       |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.4   | 2.5  | 94       |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.06   | 0.5  | 101      |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 246    | 1    |          | 1   | 20171004 |
| Sulfate                    | Water  | METHOD                 | 300       | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Sulfate                    | Water  | NONE                   | 300       | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Sulfate                    | Water  | NONE                   | 300       | DUP     | 219    | 5    |          | 1   | 20171017 |
| Sulfate                    | Water  | NONE                   | 300       | MS      | 429    | 10   | 105      |     | 20171017 |
|                            | Water  | NONE                   | 300       | DMS     | 423    | 10   | 102      | 1   | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 98       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 98.8   | 1    | 88       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.3   | 0.02 | 101      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 1    | 96       |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49     | 0.16 | 98       |     | 20171004 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 41.1   | 1    | 98       |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.9   | 1    | 92       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50     | 1    | 100      |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.2   | 0.1  | 97       |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.4   | 2.5  | 94       |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171004 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.06   | 0.5  | 101      |     | 20171004 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171004 |

|                            | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 246    | 1    |          | 1   | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171004 |
|                            | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171004 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171004 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171004 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 0.5  | 97       |     | 20171004 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.28   | 0.05 | 91       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87   | 0.1  | 90       |     | 20171004 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 412    | 20   | 96       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171004 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.46   | 0.1  |          | 4   | 20171004 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 725    | 10   |          | 2   | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171004 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171004 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171004 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171004 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.7   | 1    | 99       |     | 20171004 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 0.1  | 102      |     | 20171004 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171004 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 199     | 50   |          | 1   | 20171004 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 11.1    | 1    |          | 1   | 20171004 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020  | 0.02 |          |     | 20171004 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0    | 1    |          |     | 20171004 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16   | 0.16 |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20171004 |
|                            | Water  | METHOD                 | 300        | MB      | < 0.050 | 0.05 |          |     | 20171004 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9     | 0.5  | 97       |     | 20171004 |
|                            | Water  | METHOD                 | 300        | LCS     | 2.28    | 0.05 | 91       |     | 20171004 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10     | 10   |          |     | 20171017 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20171017 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0    | 1    |          |     | 20171017 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0    | 5    |          |     | 20171017 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050  | 0.05 |          |     | 20171017 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050  | 0.05 |          |     | 20171017 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10   | 0.1  |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20171017 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630    | 10   | 99       |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67    | 0.5  | 95       |     | 20171017 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.6     | 1    | 92       |     | 20171017 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 247     | 5    | 106      |     | 20171017 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.28    | 0.05 | 91       |     | 20171017 |
| Nitrite as N               | Water  | METHOD                 | 300        | LCS     | 2.34    | 0.05 | 94       |     | 20171017 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.38    |      | 100      |     | 20171017 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.65    | 0.1  | 93       |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.87    | 0.1  | 90       |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88    | 0.1  | 90       |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.03    | 0.1  |          | 1   | 20171017 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 963     | 5    |          | 1   | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.93    | 0.1  | 95       |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.97    | 0.1  | 97       | 2   | 20171017 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20   | 0.2  |          |     | 20171017 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10     | 10   |          |     | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20171017 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20171017 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171017 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Total Recoverable Zinc     |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171017 |
| Total Chromium             |        | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171017 |
| ,                          |        | METHOD                 | 7470-A    | LCS     | 4.77   | 0.2  | 95       |     | 20171017 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5140   | 10   | 103      |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2490   | 50   | 99       |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 2.5  | 101      |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.02 | 102      |     | 20171017 |
|                            |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20171017 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20171017 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.7   | 1    | 99       |     | 20171017 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 0.1  | 102      |     | 20171017 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20171017 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20171017 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | DUP     | <2.5   | 2.5  |          | 0   | 20171017 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MS      | 10.7   | 2.5  | 107      |     | 20171017 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | MB      | <0.10  | 0.1  |          |     | 20170928 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170928 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | MB      | <0.10  | 0.1  |          |     | 20170928 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 8.38   |      | 100      |     | 20170928 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 5.87   | 0.1  | 90       |     | 20170928 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 414    | 20   | 97       |     | 20170928 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 5.88   | 0.1  | 90       |     | 20170928 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20170928 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20170928 |
| Total Recoverable Antimony | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20170928 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170928 |

| Analyte                     | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170928 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20170928 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170928 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20170928 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170928 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20170928 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20170928 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20170928 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | LCS     | 4.77   | 0.2  | 95       |     | 20170928 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2490   | 50   | 99       |     | 20170928 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11     | 0.05 | 110      |     | 20170928 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 2.5  | 101      |     | 20170928 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.54   | 0.02 | 101      |     | 20170928 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 0.02 | 102      |     | 20170928 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20170928 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20170928 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20170928 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.7   | 1    | 99       |     | 20170928 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 0.1  | 102      |     | 20170928 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20170928 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20170928 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 99       |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | LCS     | 414    | 20   | 97       |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20170926 |
|                             | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | LCS     | 1630   | 10   | 99       |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | LCS     | 414    | 20   | 97       |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | DUP     | 440    | 10   |          | 1   | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20170926 |
| Total Recoverable Antimony  |        | EPA 3050B              | 6010-C    | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B              | 6010-C    | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B              | 6010-C    | MB      | <0.2   | 0.2  |          |     | 20171017 |

| Analyte                     | Matrix | Prep      | Method | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|--------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | MB      | <0.2   | 0.2  | -        |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | MB      | <0.4   | 0.4  |          |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | MB      | <2     | 2    |          |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | MB      | <0.2   | 0.2  |          |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | MB      | <2     | 2    |          |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | MB      | <0.02  | 0.02 |          |     | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | MB      | <0.2   | 0.2  |          |     | 20171017 |
| Total Recoverable Cadmium   |        | EPA 3050B | 6010-C | MB      | <0.2   | 0.2  |          |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | MB      | <0.4   | 0.4  |          |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | MB      | <2     | 2    |          |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | MB      | <0.2   | 0.2  |          |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | MB      | <4     | 4    |          |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | MB      | <2     | 2    |          |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | MB      | <0.8   | 0.8  |          |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | MB      | <0.02  | 0.02 |          |     | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | LCS     | 60.1   | 4    | 57       |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | LCS     | 101    | 4    | 103      |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | LCS     | 63.5   | 0.2  | 96       |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | LCS     | 143    | 0.2  | 98       |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | LCS     | 179    | 0.8  | 99       |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | LCS     | 157    | 0.4  | 97       |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | LCS     | 100    | 0.8  | 95       |     | 20171017 |

| Analyte                     | Matrix | Prep      | Method | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|--------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | LCS     | 124    | 2    | 96       |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | LCS     | 401    | 0.2  | 98       |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | LCS     | 146    | 8.0  | 98       |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | LCS     | 143    | 4    | 93       |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | LCS     | 38.4   | 8.0  | 94       |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | LCS     | 163    | 2    | 93       |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | LCS     | 93     | 0.8  | 96       |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | LCS     | 186    | 1    | 98       |     | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | LCS     | 6.3    | 0.39 | 89       |     | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | LCS     | 53     | 4    | 50       |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | LCS     | 102    | 4    | 103      |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | LCS     | 63.2   | 0.2  | 96       |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | LCS     | 134    | 0.2  | 92       |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | LCS     | 169    | 0.8  | 93       |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | LCS     | 154    | 0.4  | 95       |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | LCS     | 104    | 0.8  | 98       |     | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | LCS     | 120    | 2    | 93       |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | LCS     | 400    | 0.2  | 97       |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | LCS     | 137    | 0.8  | 92       |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | LCS     | 142    | 4    | 92       |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | LCS     | 38     | 0.8  | 93       |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | LCS     | 162    | 2    | 92       |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | LCS     | 89.7   | 0.8  | 93       |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | LCS     | 180    | 1    | 94       |     | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | LCS     | 5.94   | 0.4  | 84       |     | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | DUP     | <4.1   | 4.1  |          |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | DUP     | 31.5   | 4.1  |          | 4   | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | DUP     | <0.21  | 0.21 |          |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | DUP     | 1.28   | 0.21 |          | 10  | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | DUP     | 8.69   | 0.83 |          | 10  | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | DUP     | 6.98   | 0.41 |          | 12  | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | DUP     | 96     | 0.83 |          | 5   | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | DUP     | 10.4   | 2.1  |          | 7   | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | DUP     | 672    | 0.21 |          | 24  | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | DUP     | 14.1   | 0.83 |          | 2   | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | DUP     | 12     | 4.1  |          | 17  | 20171017 |

| Analyte                     | Matrix | Prep      | Method | QC Type | Result | MRL   | Recovery | RPD | Date     |
|-----------------------------|--------|-----------|--------|---------|--------|-------|----------|-----|----------|
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | DUP     | <0.83  | 0.83  |          |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | DUP     | <2.1   | 2.1   |          |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | DUP     | 40     | 0.83  |          | 2   | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | DUP     | 149    | 1     |          | 4   | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | DUP     | 0.275  | 0.015 |          | 24  | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | DUP     | <3.7   | 3.7   |          |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | DUP     | <3.7   | 3.7   |          |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | DUP     | <0.18  | 0.18  |          |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | DUP     | <0.18  | 0.18  |          |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | DUP     | 1.79   | 0.73  |          | 11  | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | DUP     | 22.7   | 0.37  |          | 1   | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | DUP     | 146    | 0.73  |          | 7   | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | DUP     | <1.8   | 1.8   |          |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | DUP     | 1070   | 0.18  |          | 1   | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | DUP     | 1.7    | 0.73  |          | 6   | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | DUP     | <3.7   | 3.7   |          |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | DUP     | <0.73  | 0.73  |          |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | DUP     | <1.8   | 1.8   |          |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | DUP     | 51.5   | 0.73  |          | 1   | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | DUP     | 50.1   | 0.92  |          | 1   | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD    | 7471-B | DUP     | <0.019 | 0.019 |          | NC  | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B | 6010-C | MS      | 32.8   | 4.6   | 29       |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B | 6010-C | MS      | 154    | 4.6   | 106      |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B | 6010-C | MS      | 10.9   | 0.23  | 95       |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B | 6010-C | MS      | 12.2   | 0.23  | 97       |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B | 6010-C | MS      | 57.1   | 0.91  | 104      |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B | 6010-C | MS      | 117    | 0.46  | 97       |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B | 6010-C | MS      | 163    | 0.91  | 109      |     | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B | 6010-C | MS      | 121    | 2.3   | 96       |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B | 6010-C | MS      | 719    | 0.23  | 166      |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B | 6010-C | MS      | 127    | 0.91  | 99       |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B | 6010-C | MS      | 114    | 4.6   | 88       |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B | 6010-C | MS      | 10.9   | 0.91  | 95       |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B | 6010-C | MS      | 22.2   | 2.3   | 97       |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B | 6010-C | MS      | 162    | 0.91  | 106      |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B | 6010-C | MS      | 272    | 1.1   | 113      |     | 20171017 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL   | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|-------|----------|-----|----------|
| Total Recoverable Mercury   | Soil   | METHOD                 | 7471-B     | MS      | 0.624  | 0.016 | 103      |     | 20171017 |
| Total Recoverable Antimony  | Soil   | EPA 3050B              | 6010-C     | MS      | 24.1   | 3.7   | 26       |     | 20171017 |
| Total Recoverable Arsenic   | Soil   | EPA 3050B              | 6010-C     | MS      | 88     | 3.7   | 94       |     | 20171017 |
| Total Recoverable Beryllium | Soil   | EPA 3050B              | 6010-C     | MS      | 8.77   | 0.19  | 94       |     | 20171017 |
| Total Recoverable Cadmium   | Soil   | EPA 3050B              | 6010-C     | MS      | 8.47   | 0.19  | 91       |     | 20171017 |
| Total Chromium              | Soil   | EPA 3050B              | 6010-C     | MS      | 39.3   | 0.75  | 101      |     | 20171017 |
| Total Recoverable Cobalt    | Soil   | EPA 3050B              | 6010-C     | MS      | 113    | 0.37  | 97       |     | 20171017 |
| Total Recoverable Copper    | Soil   | EPA 3050B              | 6010-C     | MS      | 192    | 0.75  | 78       |     | 20171017 |
| Total Recoverable Lead      | Soil   | EPA 3050B              | 6010-C     | MS      | 83.7   | 1.9   | 90       |     | 20171017 |
| Total Recoverable Mangane   | Soil   | EPA 3050B              | 6010-C     | MS      | 1190   | 0.19  | 124      |     | 20171017 |
| Total Recoverable Nickel    | Soil   | EPA 3050B              | 6010-C     | MS      | 87.3   | 0.75  | 92       |     | 20171017 |
| Total Recoverable Selenium  | Soil   | EPA 3050B              | 6010-C     | MS      | 80.1   | 3.7   | 86       |     | 20171017 |
| Total Recoverable Silver    | Soil   | EPA 3050B              | 6010-C     | MS      | 7.95   | 0.75  | 85       |     | 20171017 |
| Total Recoverable Thallium  | Soil   | EPA 3050B              | 6010-C     | MS      | 16.2   | 1.9   | 87       |     | 20171017 |
| Total Recoverable Vanadium  | Soil   | EPA 3050B              | 6010-C     | MS      | 145    | 0.75  | 99       |     | 20171017 |
| Total Recoverable Zinc      | Soil   | EPA 3050B              | 6010-C     | MS      | 139    | 0.93  | 95       |     | 20171017 |
| Total Recoverable Mercury   | Soil   | METHOD                 | 7471-B     | MS      | 0.491  | 0.019 | 98       |     | 20171017 |
| Total Solids                | Soil   | NONE                   | 160.3_M    | DUP     | 89.7   |       |          | 3   | 20171017 |
| Total Solids                | Soil   | NONE                   | 160.3_M    | DUP     | 99.9   |       |          | 1   | 20171017 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10    |          |     | 20170926 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1   |          |     | 20170926 |
| Nitrate as N                | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05  |          |     | 20170926 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1   |          |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4     |          |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10    |          |     | 20170926 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1   |          |     | 20170926 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10    | 99       |     | 20170926 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 1.98   | 0.1   | 97       |     | 20170926 |
| Nitrate as N                | Water  | METHOD                 | 300        | LCS     | 2.3    | 0.05  | 92       |     | 20170926 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.37   | 0.1   | 98       |     | 20170926 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 414    | 20    | 97       |     | 20170926 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 5.9    | 0.1   | 91       |     | 20170926 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1   |          | NC  | 20170926 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 2.09   | 0.1   | 104      |     | 20170926 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.07   | 0.1   | 103      | 1   | 20170926 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50    |          |     | 20170926 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170926 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20170926 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170926 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20170926 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170926 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20170926 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170926 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20170926 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20170926 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2490   | 50   | 99       |     | 20170926 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12200  | 1000 | 98       |     | 20170926 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12600  | 1000 | 101      |     | 20170926 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20170926 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 0.02 | 102      |     | 20170926 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20170926 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20170926 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20170926 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20170926 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20170926 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170926 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170926 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20170926 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.06   | 0.5  | 101      |     | 20170926 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20170926 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20170926 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171010 |
| Total Organic Carbon       | Water  |                        | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171010 |
| Chemical Oxygen Demand     | Water  |                        | 5220-C     | MB      | <5.0   | 5    |          |     | 20171010 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171010 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171010 |
| Nitrite as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171010 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20171010 |
| Phosphorus                 | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20171010 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171010 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.95   | 0.5  | 98       |     | 20171010 |
| Total Organic Carbon       | Water  |                        | 5310-C     | LCS     | 24.5   | 0.5  | 102      |     | 20171010 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Chemical Oxygen Demand      | Water  |                        | 5220-C    | LCS     | 115    | 5    | 95       |     | 20171010 |
| Nitrate as N                | Water  | METHOD                 | 300       | LCS     | 2.3    | 0.05 | 92       |     | 20171010 |
| Nitrite as N                | Water  | METHOD                 | 300       | LCS     | 2.38   | 0.05 | 95       |     | 20171010 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B | LCS     | 2.76   | 0.2  | 97       |     | 20171010 |
| Phosphorus                  | Water  | METHOD                 | 365.3     | LCS     | 8.55   | 0.1  | 99       |     | 20171010 |
| Chlorophyll A               | Water  |                        | 10200 H   | LCS     | 4090   | 80   | 100      |     | 20171010 |
| Chlorophyll A               | Water  |                        | 10200 H   | LCS     | 400    | 80   | 98       |     | 20171010 |
| Chlorophyll A               | Water  |                        | 10200 H   | DLCS    | 4170   | 80   | 102      | 2   | 20171010 |
| . ,                         | Water  |                        | 10200 H   | DLCS    | 370    | 80   | 91       | 8   | 20171010 |
| Total Organic Carbon        | Water  |                        | 5310-C    | DUP     | 3.74   | 0.5  |          | 1   | 20171010 |
| Chemical Oxygen Demand      | Water  |                        | 5220-C    | DUP     | 10.5   | 5    |          | 14  | 20171010 |
|                             | Water  | METHOD                 | 365.3     | DUP     | <0.010 | 0.01 |          | NC  | 20171010 |
|                             | Water  |                        | 5310-C    | DUP     | 6.95   | 0.5  |          | 2   | 20171010 |
| Total Organic Carbon        | Water  |                        | 5310-C    | DUP     | 5.58   | 0.5  |          | 2   | 20171010 |
| Total Organic Carbon        | Water  |                        | 5310-C    | DUP     | 3.65   | 0.5  |          | 1   | 20171010 |
| Total Organic Carbon        | Water  |                        | 5310-C    | MS      | 31.1   | 0.5  | 109      |     | 20171010 |
| Chemical Oxygen Demand      | Water  |                        | 5220-C    | MS      | 128    | 13   | 116      |     | 20171010 |
|                             | Water  | METHOD                 | 365.3     | MS      | 0.526  | 0.01 | 105      |     | 20171010 |
| Chemical Oxygen Demand      | Water  |                        | 5220-C    | DMS     | 126    | 13   | 114      | 2   | 20171010 |
| Phosphorus                  | Water  | METHOD                 | 365.3     | DMS     | 0.492  | 0.01 | 98       | 7   | 20171010 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171010 |
| ,                           | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <40    | 40   |          |     | 20171010 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13100  | 1000 | 105      |     | 20171010 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10600  | 40   | 106      |     | 20171010 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 28400  | 1000 |          | 1   | 20171010 |
| ,                           | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 140000 | 40   |          | 1   | 20171010 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 38200  | 1000 | 98       |     | 20171010 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 146000 | 40   | 74       |     | 20171010 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20171018 |
| Sulfate                     | Water  | NONE                   | 300       | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | MB      | <2.0   | 2    |          |     | 20171018 |
|                             | Water  | NONE                   | 300       | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C    | LCS     | 1620   | 10   | 99       |     | 20171018 |
| Sulfate                     | Water  | NONE                   | 300       | LCS     | 4.94   | 0.1  | 99       |     | 20171018 |
| Sulfate                     | Water  | NONE                   | 300       | LCS     | 4.94   | 0.1  | 99       |     | 20171018 |
| Sulfate                     | Water  | NONE                   | 300       | DUP     | 0.4    | 0.2  |          | 4   | 20171018 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | NONE                   | 300        | MS      | 8.57   | 0.4  | 102      |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 8.58   | 0.4  | 102      | 1   | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98.1   | 1    | 98       |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 0.02 | 104      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 199    | 1    |          | 2   | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 39     | 1    |          | 1   | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 293    | 1    | 90       |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 27.1   | 0.02 | 108      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 65.1   | 1    | 105      |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171019 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171019 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.95   | 0.5  | 98       |     | 20171019 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.9    | 1    | 98       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.06   | 0.05 | 106      |     | 20171019 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171019 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.27   | 0.05 | 91       |     | 20171019 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.37   | 0.1  | 98       |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171019 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | LCS     | 1.02   | 0.05 | 102      |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.94   | 0.1  | 99       |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 5.9    | 0.1  | 91       |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 408    | 20   | 95       |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.94   | 0.1  | 99       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | DUP     | <0.050 | 0.05 |          | NC  | 20171019 |
| Color                      | Water  | NONE                   | 2120-B    | DUP     | 30     | 5    |          | 1   | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | 14     | 4    |          | 3   | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | MS      | 1.07   | 0.05 | 107      |     | 20171019 |
| Total Recoverable Iron     |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2540   | 50   | 101      |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 100    | 1    | 100      |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.9   | 0.02 | 104      |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.8   | 1    | 102      |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.3   | 0.16 | 103      |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 1    | 102      |     | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.3   | 1    | 101      |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 1    | 100      |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 2.5  | 100      |     | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 77     | 50   |          | 5   | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 42.5   | 1    |          | 2   | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 7      | 1    |          | 3   | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171019 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1120   | 50   | 104      |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 137    | 1    | 96       |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.02 | 103      |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 1    | 100      |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.9   | 0.16 | 102      |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.9   | 1    | 100      |     | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.7   | 1    | 99       |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.7   | 1    | 103      |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25     | 2.5  | 100      |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171019 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171019 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 80.3   | 1    |          | 2   | 20171019 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171019 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171019 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.86   | 0.5  | 97       |     | 20171019 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 93       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1      | 0.05 | 100      |     | 20171019 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171019 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.25   | 0.05 | 90       |     | 20171019 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20171019 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.94   | 0.1  | 99       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.94   | 0.05 | 94       |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.94   | 0.1  | 99       |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.62   | 0.1  |          | 1   | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 75.1   | 5    |          | 4   | 20171019 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 313    | 10   |          | 1   | 20171019 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.5    | 0.1  |          | 1   | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.6    | 0.1  | 99       |     | 20171019 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 1      | 0.05 | 100      |     | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 277    | 10   | 99       |     | 20171019 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.74   | 0.1  | 106      | 7   | 20171019 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 275    | 10   | 98       | 1   | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 101      |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 0.02 | 104      |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.8   | 1    | 102      |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 0.16 | 103      |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20171019 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 1    | 100      |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 162    | 50   |          | 3   | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 45.8   | 1    |          | 1   | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.024  | 0.02 |          | 12  | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 14.3   | 1    |          | 3   | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20171019 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1170   | 50   | 101      |     | 20171019 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 142    | 1    | 97       |     | 20171019 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 104      |     | 20171019 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 99       |     | 20171019 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.4   | 0.16 | 101      |     | 20171019 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 38.7   | 1    | 99       |     | 20171019 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 1    | 97       |     | 20171019 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 1    | 103      |     | 20171019 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 2.5  | 102      |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 43.9   | 1    | 86       |     | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 44.6   | 1    | 87       | 2   | 20171019 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171019 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171019 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 159    | 1    |          | 1   | 20171019 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171016 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171016 |
| Chloride                   | Water  | METHOD                 | 300        | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171016 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171016 |
| Nitrate as N               | Water  | METHOD                 | 300        | MB      | <0.050 | 0.05 |          |     | 20171016 |
| Sulfate                    | Water  | METHOD                 | 300        | MB      | <0.10  | 0.1  |          |     | 20171016 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171016 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171016 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20171016 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171016 |
| Chloride                   | Water  | METHOD                 | 300        | LCS     | 4.7    | 1    | 93       |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1      | 0.05 | 100      |     | 20171016 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171016 |
| Nitrate as N               | Water  | METHOD                 | 300        | LCS     | 2.25   | 0.05 | 90       |     | 20171016 |
| Sulfate                    | Water  | METHOD                 | 300        | LCS     | 4.76   | 0.1  | 95       |     | 20171016 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.35   | 0.1  | 98       |     | 20171016 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20171016 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.94   | 0.05 | 94       |     | 20171016 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 90     | 10   |          | 1   | 20171016 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171016 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171016 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171016 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171016 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171016 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2540   | 50   | 102      |     | 20171016 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 98.1   | 1    | 98       |     | 20171016 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.9   | 0.02 | 104      |     | 20171016 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171016 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.6   | 0.16 | 103      |     | 20171016 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 1    | 101      |     | 20171016 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.9   | 1    | 100      |     | 20171016 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.4   | 1    | 101      |     | 20171016 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171016 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171016 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171016 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171016 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171016 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171016 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170929 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170929 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170929 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170929 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20170929 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20170929 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 99       |     | 20170929 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 422    | 20   | 98       |     | 20170929 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 242    | 5    | 104      |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.45   | 0.05 | 98       |     | 20171026 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.41   |      | 100      |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.34   | 0.1  | 97       |     | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10   | 0.1  |          |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.63    | 0.2  | 113      |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5100    | 50   | 102      |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2710    | 50   | 108      |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8    | 2.5  | 102      |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26      | 0.02 | 104      |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5    | 1    | 100      |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5    | 0.16 | 101      |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5    | 1    | 102      |     | 20171026 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7    | 1    | 99       |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7    | 1    | 101      |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5    | 0.1  | 100      |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25      | 2.5  | 100      |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4     | 2.5  | 94       |     | 20171026 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1      | 1    |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | < 0.050 | 0.05 |          |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10   | 0.1  |          |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10   | 0.1  |          |     | 20171018 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67    | 0.5  | 95       |     | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35    | 0.05 | 94       |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.86    | 0.1  | 97       |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.34    | 0.1  | 97       |     | 20171018 |
|                            | Water  | NONE                   | 300        | LCS     | 4.86    | 0.1  | 97       |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20171018 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20171018 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16   | 0.16 |          |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171018 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2710   | 50   | 108      |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.7   | 1    | 97       |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26     | 0.02 | 104      |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 0.16 | 101      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 1    | 102      |     | 20171018 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.7   | 1    | 101      |     | 20171018 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25     | 2.5  | 100      |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 140    | 50   |          | 13  | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.7    | 1    |          | 1   | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | NC  | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15.3   | 1    |          | 2   | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171018 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1240   | 50   | 108      |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 111    | 1    | 101      |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26     | 0.02 | 104      |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.6   | 1    | 101      |     | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.3   | 0.16 | 101      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 41.6   | 1    | 104      |     | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.5   | 1    | 98       |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 52.3   | 1    | 105      |     | 20171018 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.4   | 0.1  | 99       |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25     | 2.5  | 100      |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171018 |
|                            | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171018 |

|                            | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 52     | 1    | 104      |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 50.8   | 1    | 102      | 2   | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.34   | 0.5  | 107      |     | 20171018 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171018 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 229    | 1    |          | 5   | 20171018 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171017 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.34   | 0.1  | 97       |     | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171017 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171017 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171017 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171017 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2710   | 50   | 108      |     | 20171017 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 106      |     | 20171017 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20171017 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.7   | 1    | 97       |     | 20171017 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26     | 0.02 | 104      |     | 20171017 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171017 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 0.16 | 101      |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171017 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 47.5   | 1    | 95       |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.5   | 1    | 93       | 2   | 20171017 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171017 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171017 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171017 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 242    | 5    | 104      |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.35   | 0.05 | 94       |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.45   | 0.05 | 98       |     | 20171026 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.41   |      | 100      |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.05   | 0.1  | 101      |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.34   | 0.1  | 97       |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 864    | 5    |          | 14  | 20171026 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.88   |      |          | 1   | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 104    | 0.5  |          | 2   | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171026 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.63   | 0.2  | 113      |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5100   | 50   | 102      |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2710   | 50   | 108      |     | 20171026 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.8   | 2.5  | 102      |     | 20171026 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26     | 0.02 | 104      |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 0.16 | 101      |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20171026 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.6   | 2.5  | 106      |     | 20171026 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171018 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171018 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171018 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171018 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20171018 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171018 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171018 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
|                            | Water  | NONE                   | 4500-CI G | LCS     | 1.03   | 0.05 | 103      |     | 20171018 |
|                            | Water  | NONE                   | 2120-B    | LCS     | 15     | 5    | 100      |     | 20171018 |
|                            | Water  | NONE                   | 300       | LCS     | 2.37   | 0.05 | 95       |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.93   | 0.1  | 99       |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.22   | 0.1  | 96       |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 400    | 20   | 93       |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1590   | 10   | 97       |     | 20171018 |
|                            | Water  | NONE                   | 4500-CI G | LCS     | 0.99   | 0.05 | 99       |     | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.51   | 0.1  | 100      |     | 20171018 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G | LCS     | 1      | 0.05 | 100      |     | 20171018 |
| Chloride                   | Water  | NONE                   | 300       | DUP     | <1.0   | 1    |          | NC  | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300       | DUP     | 0.152  | 0.05 |          | 1   | 20171018 |
| Sulfate                    | Water  | NONE                   | 300       | DUP     | 1.27   | 0.1  |          | 1   | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC  | 20171018 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | DUP     | 1.93   | 0.1  |          | 7   | 20171018 |
| Chloride                   | Water  | NONE                   | 300       | MS      | 4      | 2    | 101      |     | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300       | MS      | 3.97   | 0.1  | 95       |     | 20171018 |
| Sulfate                    | Water  | NONE                   | 300       | MS      | 5.33   | 0.2  | 101      |     | 20171018 |
| Chloride                   | Water  | NONE                   | 300       | DMS     | 4      | 2    | 101      | 1   | 20171018 |
| Nitrate as N               | Water  | NONE                   | 300       | DMS     | 3.99   | 0.1  | 96       | 1   | 20171018 |
| Sulfate                    | Water  | NONE                   | 300       | DMS     | 5.34   | 0.2  | 101      | 1   | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2710   | 50   | 108      |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.7   | 1    | 97       |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26     | 0.02 | 104      |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 1    | 100      |     | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.5   | 0.16 | 101      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 1    | 102      |     | 20171018 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | <50    | 50   |          |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 15.3   | 1    |          | 8   | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.9    | 1    |          | 5   | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171018 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1130   | 50   | 113      |     | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 106    | 1    | 92       |     | 20171018 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.9   | 0.02 | 104      |     | 20171018 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.8   | 1    | 102      |     | 20171018 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 0.16 | 103      |     | 20171018 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 27.2   | 1    | 101      |     | 20171018 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.8   | 1    | 95       |     | 20171018 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.5   | 1    | 103      |     | 20171018 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 2.5  | 101      |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171018 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171018 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171018 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 14.1   | 1    |          | 1   | 20171018 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171106 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 100    | 1    | 100      |     | 20171106 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 107    | 1    |          | 1   | 20171106 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 204    | 1    | 98       |     | 20171106 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171017 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171017 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171017 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171017 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171017 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171017 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171017 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.03   | 0.05 | 103      |     | 20171017 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171017 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20171017 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.22   | 0.1  | 96       |     | 20171017 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20   | 93       |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.51   | 0.1  | 100      |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1      | 0.05 | 100      |     | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171017 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 10     | 5    |          | 1   | 20171017 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 5.33   | 0.1  |          | 4   | 20171017 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 15.6   | 4    |          | 3   | 20171017 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 1.02   | 0.05 | 102      |     | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171017 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171017 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171017 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171017 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2710   | 50   | 108      |     | 20171017 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 96.7   | 1    | 97       |     | 20171017 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26     | 0.02 | 104      |     | 20171017 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 1    | 100      |     | 20171017 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.5   | 0.16 | 101      |     | 20171017 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 1    | 102      |     | 20171017 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171017 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.7   | 1    | 101      |     | 20171017 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25     | 2.5  | 100      |     | 20171017 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171017 |
|                            | Water  | METHOD                 | 1631       | QCS     | 4.89   | 0.5  | 98       |     | 20171017 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171017 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | MB      | <2.0   | 2    |          |     | 20171031 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <5.0   | 5    |          |     | 20171031 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171031 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171031 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171031 |
| Fluoride                   | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171031 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171031 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171031 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171031 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 97       |     | 20171031 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | LCS     | 957    | 10   | 99       |     | 20171031 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | LCS     | 124    | 5    | 100      |     | 20171031 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171031 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.6    | 1    | 93       |     | 20171031 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 242    | 5    | 104      |     | 20171031 |
| Fluoride                   | Water  | NONE                   | 300        | LCS     | 4.8    | 0.1  | 96       |     | 20171031 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20171031 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.4    |      | 100      |     | 20171031 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20171031 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | 153    | 5    |          | 1   | 20171031 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20171031 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 70.5   | 5    |          | 5   | 20171031 |
| Aciditiy, Total            | Water  | NONE                   | 2310-B     | DUP     | 371    | 2    |          | 1   | 20171031 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 2.75   |      |          | 1   | 20171031 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | DUP     | <5.0   | 5    |          | NC  | 20171031 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 2.01   | 0.1  | 100      |     | 20171031 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.93   | 0.1  | 97       | 3   | 20171031 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171031 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <30    | 30   |          |     | 20171031 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171031 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20171031 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Phosphor  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20171031 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <200   | 200  |          |     | 20171031 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20171031 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <2.0   | 2    |          |     | 20171031 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171031 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171031 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171031 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171031 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171031 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171031 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171031 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Vanadium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.20  | 0.2  |          |     | 20171031 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171031 |
| Total Recoverable Zirconium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.20  | 0.2  |          |     | 20171031 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-À     | MB      | <0.20  | 0.2  |          |     | 20171031 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5160   | 10   | 103      |     | 20171031 |

| Analyte                     | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 507    | 30   | 101      |     | 20171031 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12300  | 1000 | 98       |     | 20171031 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2500   | 50   | 100      |     | 20171031 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11000  | 20   | 110      |     | 20171031 |
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13100  | 1000 | 104      |     | 20171031 |
| Total Recoverable Phosphor  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10400  | 40   | 104      |     | 20171031 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13400  | 1000 | 107      |     | 20171031 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13300  | 1000 | 106      |     | 20171031 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10100  | 1    | 101      |     | 20171031 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 9770   | 20   | 98       |     | 20171031 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10200  | 2    | 102      |     | 20171031 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 10100  | 200  | 101      |     | 20171031 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.5   | 0.05 | 105      |     | 20171031 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 2.5  | 100      |     | 20171031 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 100    | 0.05 | 100      |     | 20171031 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.61   | 0.02 | 105      |     | 20171031 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.1   | 0.02 | 100      |     | 20171031 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.1   | 2.5  | 101      |     | 20171031 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20171031 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.6   | 1    | 101      |     | 20171031 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.3   | 0.16 | 101      |     | 20171031 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 1    | 101      |     | 20171031 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 20.4   | 0.05 | 102      |     | 20171031 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.2   | 1    | 101      |     | 20171031 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.2   | 1    | 100      |     | 20171031 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 0.1  | 97       |     | 20171031 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.8   | 0.02 | 100      |     | 20171031 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 20.4   | 0.02 | 102      |     | 20171031 |
| Total Recoverable Vanadiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.6   | 0.2  | 102      |     | 20171031 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.1   | 2.5  | 100      |     | 20171031 |
| Total Recoverable Zirconium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 19.7   | 0.2  | 99       |     | 20171031 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-À    | LCS     | 5.46   | 0.2  | 109      |     | 20171031 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 15     | 10   |          | 7   | 20171031 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <30    | 30   |          |     | 20171031 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 12500  | 1000 |          | 1   | 20171031 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20171031 |

| Analyte                     | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          |     | 20171031 |
| Total Recoverable Magnesiเ  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Phospho   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <40    | 40   |          |     | 20171031 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 950    | 200  |          | 3   | 20171031 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <1000  | 1000 |          |     | 20171031 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 110    | 1    |          | 2   | 20171031 |
| Total Recoverable Tin       | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <20    | 20   |          |     | 20171031 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <2.0   | 2    |          |     | 20171031 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.289  | 0.05 |          | 7   | 20171031 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171031 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.41   | 0.05 |          | 3   | 20171031 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.027  | 0.02 |          | 11  | 20171031 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171031 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.03   | 0.02 |          | NC  | 20171031 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171031 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.317  | 0.05 |          | 5   | 20171031 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171031 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171031 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171031 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.052  | 0.02 |          | 2   | 20171031 |
| Total Recoverable Vanadiur  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.26   | 0.2  |          | 4   | 20171031 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.1    | 2.5  |          | 4   | 20171031 |
| Total Recoverable Zirconiun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.20  | 0.2  |          |     | 20171031 |
| •                           | Water  | METHOD                 | 7470-A    | DUP     | <0.20  | 0.2  |          | NC  | 20171031 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1890   | 10   | 94       |     | 20171031 |
| Total Recoverable Boron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 520    | 30   | 104      |     | 20171031 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 22500  | 1000 | 99       |     | 20171031 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1020   | 50   | 102      |     | 20171031 |
| Total Recoverable Lithium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11500  | 20   | 115      |     | 20171031 |
| Total Recoverable Magnesiเ  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11000  | 1000 | 110      |     | 20171031 |
| Total Recoverable Phospho   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 10500  | 40   | 105      |     | 20171031 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11400  | 1000 | 114      |     | 20171031 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11400  | 1000 | 114      |     | 20171031 |
| Total Recoverable Strontium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10200  | 1    | 101      |     | 20171031 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 9860   | 20   | 99       |     | 20171031 |
| Total Recoverable Titanium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 10300  | 2    | 103      |     | 20171031 |
| Total Recoverable Silicon   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 11200  | 200  | 102      |     | 20171031 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.9   | 0.05 | 106      |     | 20171031 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 54.3   | 2.5  | 109      |     | 20171031 |
| Total Recoverable Barium    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 112    | 0.05 | 103      |     | 20171031 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 2.67   | 0.02 | 107      |     | 20171031 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 0.02 | 102      |     | 20171031 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 10.2   | 2.5  | 102      |     | 20171031 |
| Total Recoverable Cobalt    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.6   | 0.02 | 102      |     | 20171031 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 13.2   | 1    | 105      |     | 20171031 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.2   | 0.16 | 102      |     | 20171031 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.4   | 1    | 105      |     | 20171031 |
| Total Recoverable Molybder  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20     | 0.05 | 99       |     | 20171031 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.9   | 1    | 100      |     | 20171031 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.3   | 1    | 103      |     | 20171031 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.3   | 0.1  | 98       |     | 20171031 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.8   | 0.02 | 102      |     | 20171031 |
| Total Recoverable Uranium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 20.1   | 0.02 | 100      |     | 20171031 |
| Total Recoverable Vanadium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26.7   | 0.2  | 106      |     | 20171031 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.1   | 2.5  | 103      |     | 20171031 |
| Total Recoverable Zirconium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 19.2   | 0.2  | 96       |     | 20171031 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A     | MS      | 5.35   | 0.2  | 107      |     | 20171031 |
| Hardness, Total             | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171031 |
| Hardness, Total             | Water  | NONE                   | 2340-B     | DUP     | 31.8   | 1    |          | 1   | 20171031 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171012 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171012 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171012 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171012 |
|                             | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171012 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171012 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171016 |
| Nitrate as N                | Water  |                        | 300        | MB      | <0.050 | 0.05 |          |     | 20171016 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171016 |
| Nitrate as N               | Water  |                        | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171016 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.85   | 1    | 97       |     | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 244    | 5    | 104      |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.47   | 0.05 | 99       |     | 20171026 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.39   |      | 100      |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.36   | 0.1  | 107      |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20171026 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 537    | 10   |          | 2   | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 0.34   | 0.1  |          | 2   | 20171026 |
| Conductivity               | Water  | NONE                   | 2510       | DUP     | 771    | 5    |          | 1   | 20171026 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.27   |      |          | 1   | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 114    | 0.5  |          | 1   | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 2.36   | 0.1  | 101      |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.34   | 0.1  | 100      | 1   | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171026 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171026 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.46   | 0.2  | 109      |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 4850   | 10   | 97       |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171026 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.5   | 2.5  | 103      |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 96       |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 0.16 | 103      |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 101      |     | 20171026 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 1    | 103      |     | 20171026 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 2.5  | 102      |     | 20171026 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.4    | 2.5  | 94       |     | 20171026 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171012 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171012 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171012 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171012 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171012 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171012 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171012 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171025 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171025 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171025 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171025 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171025 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171025 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171025 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20171025 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171025 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | NONE                   | 300       | LCS     | 2.31   | 0.05 | 92       |     | 20171025 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.01   | 0.1  | 92       |     | 20171025 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 404    | 20   | 94       |     | 20171025 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171025 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171025 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171025 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171025 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171025 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171025 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2480   | 50   | 99       |     | 20171025 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 11700  | 1000 | 93       |     | 20171025 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12000  | 1000 | 96       |     | 20171025 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.3   | 1    | 93       |     | 20171025 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 26.5   | 0.02 | 106      |     | 20171025 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 96       |     | 20171025 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 51.3   | 0.16 | 103      |     | 20171025 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 1    | 101      |     | 20171025 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 1    | 95       |     | 20171025 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.5   | 2.5  | 102      |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MS      | 47     | 1    | 94       |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | DMS     | 49.3   | 1    | 99       | 5   | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.11   | 0.5  | 102      |     | 20171025 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171025 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20171025 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171102 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171102 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1100   | 50   | 100      |     | 20171102 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 105    | 1    | 98       |     | 20171102 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26.2   | 0.02 | 105      |     | 20171102 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 1    | 97       |     | 20171102 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.8   | 0.16 | 100      |     | 20171102 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 38.7   | 1    | 101      |     | 20171102 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.9   | 1    | 95       |     | 20171102 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.7   | 1    | 105      |     | 20171102 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171102 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171102 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171102 |
|                            | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171102 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171102 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171102 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171102 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171102 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171102 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20171102 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.61   | 0.5  | 94       |     | 20171102 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171102 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.36   | 0.1  | 107      |     | 20171102 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.01   | 0.1  | 92       |     | 20171102 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20171102 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20171102 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.43   | 0.1  |          | 1   | 20171102 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 4.49   | 0.1  | 101      |     | 20171102 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.48   | 0.1  | 100      | 1   | 20171102 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171102 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171102 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171102 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171102 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171102 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171102 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.3   | 1    | 93       |     | 20171102 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.5   | 0.02 | 106      |     | 20171102 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 96       |     | 20171102 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 0.16 | 103      |     | 20171102 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 1    | 101      |     | 20171102 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 1    | 95       |     | 20171102 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.3   | 1    | 103      |     | 20171102 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171102 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.5   | 2.5  | 102      |     | 20171102 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 89     | 50   |          | 14  | 20171102 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.7    | 1    |          | 4   | 20171102 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171102 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171102 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 13.8   | 1    |          | 2   | 20171102 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171102 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 98       |     | 20171102 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 2.5  | 100      |     | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 46.3   | 1    | 93       |     | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.5   | 1    | 93       | 1   | 20171102 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.85   | 0.5  | 97       |     | 20171102 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171102 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 247    | 1    |          | 1   | 20171102 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171104 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171104 |
| Chemical Oxygen Demand     | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171104 |
| Chlorophyll A              | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171104 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171104 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171104 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20171104 |
| Phosphorus                 | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20171104 |
| Total Organic Carbon       | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171104 |
|                            | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171104 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171104 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171104 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 4030   | 80   | 100      |     | 20171104 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 24.3   | 0.5  | 101      |     | 20171104 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 118    | 5    | 97       |     | 20171104 |
| Nitrate as N                | Water  | NONE                   | 300        | LCS     | 2.29   | 0.05 | 92       |     | 20171104 |
| Nitrite as N                | Water  | NONE                   | 300        | LCS     | 2.39   | 0.05 | 95       |     | 20171104 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.68   | 0.2  | 94       |     | 20171104 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | LCS     | 8.67   | 0.1  | 101      |     | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.6   | 0.5  | 107      |     | 20171104 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 118    | 5    | 97       |     | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.8   | 0.5  | 107      |     | 20171104 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 3900   | 80   | 97       | 3   | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 5.1    | 0.5  |          | 1   | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 6.96   | 0.5  |          | 2   | 20171104 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.33   | 0.1  |          | 1   | 20171104 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DUP     | <0.010 | 0.01 |          |     | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.78   | 0.5  |          | 1   | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.78   | 0.5  |          | 1   | 20171104 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 31.8   | 0.5  | 106      |     | 20171104 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 3.29   | 0.1  | 97       |     | 20171104 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | MS      | 0.524  | 0.01 | 105      |     | 20171104 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.27   | 0.1  | 96       | 1   | 20171104 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DMS     | 0.521  | 0.01 | 104      | 1   | 20171104 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171104 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20171104 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 11800  | 1000 | 95       |     | 20171104 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 9920   | 40   | 99       |     | 20171104 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 6800   | 1000 |          | 8   | 20171104 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 31700  | 40   |          | 5   | 20171104 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 16600  | 1000 | 102      |     | 20171104 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 41000  | 40   | 109      |     | 20171104 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20171013 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171013 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171013 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171013 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171013 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20171013 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171013 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171013 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171013 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 390    | 20   | 91       |     | 20171013 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171025 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171025 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171025 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20171025 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171025 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.84   | 0.1  | 105      |     | 20171025 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171025 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171025 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171025 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171025 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171025 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171025 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171025 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171025 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171025 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171025 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171025 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171025 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171025 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171025 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171025 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171025 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171025 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171025 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.85   | 0.5  | 97       |     | 20171025 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171025 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171025 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171113 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20171113 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171113 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.06   | 0.1  | 101      |     | 20171113 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.84   | 0.1  | 105      |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.9    | 0.5  | 98       |     | 20171113 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171113 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 228    | 1    |          | 1   | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 74.6   | 1    |          | 3   | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 77.4   | 1    |          | 2   | 20171113 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171117 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171117 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171117 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171117 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171117 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171117 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171117 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171117 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171117 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171117 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171117 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171117 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171117 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171117 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171117 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171117 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171117 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171117 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171117 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171117 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171117 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 1    | 94       |     | 20171117 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20171117 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171117 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 125    | 50   |          | 13  | 20171117 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 4900   | 1000 |          | 2   | 20171117 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 26500  | 1000 |          | 3   | 20171117 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 1    |          | 14  | 20171117 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | 0   | 20171117 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20171117 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | 0   | 20171117 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.3   | 1    |          | 2   | 20171117 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20171117 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | 0   | 20171117 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          | 0   | 20171117 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | 0   | 20171117 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 98       |     | 20171117 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 14800  | 1000 | 100      |     | 20171117 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 36400  | 1000 | 108      |     | 20171117 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 103    | 1    | 94       |     | 20171117 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 0.02 | 96       |     | 20171117 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20171117 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.8   | 0.16 | 94       |     | 20171117 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40     | 1    | 93       |     | 20171117 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.9   | 1    | 96       |     | 20171117 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.1   | 1    | 98       |     | 20171117 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 0.1  | 93       |     | 20171117 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 2.5  | 93       |     | 20171117 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171113 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171113 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20171113 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171113 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.06   | 0.1  | 101      |     | 20171113 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.84   | 0.1  | 105      |     | 20171113 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171113 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171113 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171113 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171113 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171113 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171113 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171113 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171113 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171113 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171113 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171113 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171113 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171113 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171113 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171113 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171113 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171113 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171113 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171113 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171113 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 125    | 50   |          | 13  | 20171113 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 4900   | 1000 |          | 2   | 20171113 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 26500  | 1000 |          | 3   | 20171113 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 1    |          | 14  | 20171113 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          | NC  | 20171113 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171113 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20171113 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 16.3   | 1    |          | 2   | 20171113 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171113 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20171113 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1090   | 50   | 98       |     | 20171113 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 14800  | 1000 | 100      |     | 20171113 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 36400  | 1000 | 108      |     | 20171113 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 103    | 1    | 94       |     | 20171113 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 0.02 | 96       |     | 20171113 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20171113 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.8   | 0.16 | 94       |     | 20171113 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 40     | 1    | 93       |     | 20171113 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.9   | 1    | 96       |     | 20171113 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.3   | 2.5  | 93       |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171113 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.9    | 0.5  | 98       |     | 20171113 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171113 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 228    | 1    |          | 1   | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 74.6   | 1    |          | 3   | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171113 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 77.4   | 1    |          | 2   | 20171113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | 2      | 2    |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.2   | 0.5  | 100      |     | 20171026 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.87   | 1    | 97       |     | 20171026 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1      | 0.05 | 100      |     | 20171026 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171026 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20171026 |
|                            | Water  | NONE                   | 300        | LCS     | 5.12   | 0.1  | 102      |     | 20171026 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.58   | 0.1  | 101      |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171026 |
|                            | Water  | NONE                   | 4500-CI G  | LCS     | 0.95   | 0.05 | 95       |     | 20171026 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.94   | 0.1  | 99       |     | 20171026 |
|                            | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20171026 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171026 |
|                            | Water  | NONE                   | 180.1      | DUP     | 0.32   | 0.1  |          | 5   | 20171026 |
|                            | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171026 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | 10     | 5    |          | 1   | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.93   | 0.1  | 97       |     | 20171026 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.99   | 0.05 | 99       |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.92   | 0.1  | 96       | 1   | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171026 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171026 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171026 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171026 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171026 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171026 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171026 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171026 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171026 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171026 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171026 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 1    | 94       |     | 20171026 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171026 |
|                            |        | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171026 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171026 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171026 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.05   | 0.5  | 101      |     | 20171026 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171026 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171027 |
|                            | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171027 |
|                            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171027 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.8   | 0.5  | 106      |     | 20171027 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20171027 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.72   | 0.1  | 103      |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.74   | 0.1  |          | 1   | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.85   | 0.1  | 105      |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.7    | 0.1  | 98       | 7   | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171027 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171027 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171027 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171027 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171027 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171027 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 45.4   | 1    | 91       |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 46.2   | 1    | 92       | 2   | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.05   | 0.5  | 101      |     | 20171027 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171027 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171027 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171027 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.8   | 0.5  | 106      |     | 20171027 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171027 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20171027 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.94   | 0.1  | 99       |     | 20171027 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.72   | 0.1  | 103      |     | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171027 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.5   | 0.05 | 94       |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171027 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.8   | 1    | 91       |     | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.2   | 1    | 94       |     | 20171027 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 0.1  | 93       |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.8   | 2.5  | 91       |     | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 160    | 50   |          | 4   | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9.4    | 1    |          | 8   | 20171027 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 46.4   | 0.05 |          | 1   | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | NC  | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171027 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.9   | 1    |          | 1   | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171027 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1180   | 50   | 102      |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 100    | 1    | 90       |     | 20171027 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 140    | 0.05 | 93       |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.6   | 0.02 | 94       |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.5   | 1    | 92       |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.6   | 0.16 | 93       |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 37.1   | 1    | 88       |     | 20171027 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.7   | 1    | 91       |     | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.2   | 1    | 98       |     | 20171027 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.4   | 0.1  | 91       |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.5   | 2.5  | 90       |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MS      | 47.6   | 1    | 95       |     | 20171027 |
|                            | Water  | METHOD                 | 1631      | DMS     | 47.3   | 1    | 95       | 1   | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 4.6    | 0.5  | 92       |     | 20171027 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171027 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 235    | 1    |          | 1   | 20171027 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20171018 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 434    | 10   |          | 1   | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1600   | 10   | 98       |     | 20171018 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 245    | 10   |          | 1   | 20171018 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171027 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171027 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171027 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.8    | 1    | 96       |     | 20171027 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20171027 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.94   | 0.1  | 99       |     | 20171027 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.72   | 0.1  | 103      |     | 20171027 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 400    | 20   | 93       |     | 20171027 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 449    | 10   |          | 1   | 20171027 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171027 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171027 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171027 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171027 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171027 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171027 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171027 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12400  | 1000 | 99       |     | 20171027 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12300  | 1000 | 98       |     | 20171027 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 89.7   | 1    | 90       |     | 20171027 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24     | 0.02 | 96       |     | 20171027 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.5   | 1    | 92       |     | 20171027 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 46.8   | 0.16 | 94       |     | 20171027 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171027 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171027 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 1    | 94       |     | 20171027 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 93       |     | 20171027 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 2.5  | 91       |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171027 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.05   | 0.5  | 101      |     | 20171027 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171027 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171027 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171101 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171101 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171101 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171101 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171101 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171101 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171101 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171101 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171101 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171101 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.8    | 1    | 96       |     | 20171101 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171101 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 1.01   | 0.05 | 101      |     | 20171101 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171101 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.28   | 0.05 | 91       |     | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20171101 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.4    | 0.1  | 98       |     | 20171101 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20171101 |
| Total Residual Chlorine    |        | NONE                   | 4500-CI G  | LCS     | 0.88   | 0.05 | 88       |     | 20171101 |
|                            |        | NONE                   | 300        | LCS     | 4.89   | 0.1  | 98       |     | 20171101 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20171101 |
| Total Residual Chlorine    |        | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 2.99   | 0.2  |          | 2   | 20171101 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.62   | 0.1  |          | 17  | 20171101 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171101 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.02   | 0.1  | 102      |     | 20171101 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.93   | 0.05 | 93       |     | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 11     | 0.4  | 101      |     | 20171101 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1      | 0.1  | 100      | 2   | 20171101 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 10.7   | 0.4  | 97       | 3   | 20171101 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171101 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171101 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171101 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171101 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171101 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2550   | 50   | 102      |     | 20171101 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 106    | 1    | 106      |     | 20171101 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.3   | 0.02 | 101      |     | 20171101 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.2   | 1    | 97       |     | 20171101 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.9   | 0.16 | 100      |     | 20171101 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 26.2   | 1    | 105      |     | 20171101 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.7   | 1    | 95       |     | 20171101 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 51.2   | 1    | 102      |     | 20171101 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.1   | 2.5  | 100      |     | 20171101 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 73     | 50   |          | 1   | 20171101 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 45.8   | 1    |          | 1   | 20171101 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171101 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171101 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          | NC  | 20171101 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 5.7    | 1    |          | 3   | 20171101 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171101 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171101 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20171101 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1150   | 50   | 108      |     | 20171101 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 150    | 1    | 105      |     | 20171101 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.5   | 0.02 | 102      |     | 20171101 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 99       |     | 20171101 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.1   | 0.16 | 100      |     | 20171101 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 32.3   | 1    | 106      |     | 20171101 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 1    | 97       |     | 20171101 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.1   | 1    | 104      |     | 20171101 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.3   | 2.5  | 101      |     | 20171101 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171101 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171101 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171101 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.6    | 0.5  | 92       |     | 20171101 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171101 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 78.9   | 1    |          | 2   | 20171101 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171026 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1640   | 10   | 100      |     | 20171026 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20171026 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171030 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171030 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.8    | 1    | 96       |     | 20171030 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171030 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171121 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20171121 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 1    | 97       |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171121 |
|                            | Water  | NONE                   | 300        | LCS     | 4.81   | 0.1  | 96       |     | 20171121 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.38   | 0.1  |          | 2   | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93     | 1    | 93       |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 0.02 | 102      |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.3   | 0.16 | 101      |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 1    | 100      |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 0.1  | 98       |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 113    | 50   |          | 3   | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7.5    | 1    |          | 8   | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171121 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 14.2   | 1    |          | 1   | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1120   | 50   | 100      |     | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 108    | 1    | 101      |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.1   | 0.02 | 100      |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.1   | 1    | 97       |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.3   | 0.16 | 99       |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 38.2   | 1    | 97       |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 1    | 96       |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.6   | 1    | 101      |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.1   | 0.1  | 97       |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20171121 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
|                            | Water  | METHOD                 | 1631       | MS      | 48.8   | 1    | 98       |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 48.3   | 1    | 97       | 1   | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.57   | 0.5  | 111      |     | 20171121 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171121 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 255    | 1    |          | 1   | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171121 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20171121 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 1    | 97       |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.14   | 0.1  | 94       |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171121 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171121 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171121 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171121 |
| Total Chromium             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2520   | 50   | 101      |     | 20171121 |
| Total Recoverable Magnesiเ | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13800  | 1000 | 111      |     | 20171121 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 14200  | 1000 | 113      |     | 20171121 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93     | 1    | 93       |     | 20171121 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 2.5  | 100      |     | 20171121 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 0.02 | 102      |     | 20171121 |
| Total Recoverable Chromiur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.8    | 2.5  | 98       |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 97       |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.3   | 0.16 | 101      |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 1    | 100      |     | 20171121 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 2.5  | 97       |     | 20171121 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.7    | 2.5  | 97       |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MS      | 49.3   | 1    | 99       |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | DMS     | 48.9   | 1    | 98       | 1   | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.13   | 0.5  | 103      |     | 20171121 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171121 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W) | MB      | <1     | 1    |          |     | 20171121 |
| Nitrite as N               | Water  | NONE                   | 300       | LCS     | 2.41   | 0.05 | 96       |     | 20171116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.39   |      | 100      |     | 20171116 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.87   | 0.1  | 97       |     | 20171116 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.47   | 0.1  | 99       |     | 20171116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 549    | 10   |          | 2   | 20171116 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.74   |      |          | 1   | 20171116 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 1.57   | 0.1  |          | 7   | 20171116 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171116 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171116 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171116 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171116 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171116 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171116 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171116 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171116 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5630   | 10   | 113      |     | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2520   | 50   | 101      |     | 20171116 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 2.5  | 100      |     | 20171116 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.4   | 0.02 | 102      |     | 20171116 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.1   | 1    | 97       |     | 20171116 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.3   | 0.16 | 101      |     | 20171116 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20171116 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 1    | 97       |     | 20171116 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50     | 1    | 100      |     | 20171116 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 0.1  | 98       |     | 20171116 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 2.5  | 97       |     | 20171116 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20171116 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.56   | 0.2  | 111      |     | 20171116 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 62     | 10   |          | 10  | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 579    | 50   |          | 2   | 20171116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171116 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171116 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171116 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171116 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171116 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171116 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171116 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1630   | 10   | 100      |     | 20171116 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.9    | 1    | 97       |     | 20171116 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.7    | 1    | 95       |     | 20171116 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 237    | 5    | 101      |     | 20171116 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171116 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171116 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.894  | 0.02 |          | 1   | 20171116 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.6    | 1    |          | 1   | 20171116 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171116 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 277    | 1    |          | 1   | 20171116 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 7      | 1    |          | 1   | 20171116 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.9    | 1    |          | 15  | 20171116 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171116 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 82.5   | 2.5  |          | 1   | 20171116 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171116 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 2260   | 10   | 110      |     | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1630   | 50   | 107      |     | 20171116 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.4   | 2.5  | 103      |     | 20171116 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 26     | 0.02 | 101      |     | 20171116 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.9   | 1    | 91       |     | 20171116 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.2   | 0.16 | 100      |     | 20171116 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 293    | 1    | 56       |     | 20171116 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 30.1   | 1    | 92       |     | 20171116 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 52.4   | 1    | 100      |     | 20171116 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.2   | 0.1  | 98       |     | 20171116 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 105    | 2.5  | 87       |     | 20171116 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 10.5   | 2.5  | 105      |     | 20171116 |
| Hardness, Total            |        | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171116 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 390    | 1    |          | 2   | 20171116 |

| Analyte                    | Matrix  | Prep                 | Method     | QC Type | Result    | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|----------------------|------------|---------|-----------|---------|----------|-----|----------|
| Total Dissolved Solids     | Aqueous | NONE                 | 2540-C     | MB      | <10       | 10      |          |     | 20171121 |
| Ammonia as N               | Aqueous | METHOD               | 4500-NH3 G | MB      | <0.050    | 0.05    |          |     | 20171121 |
| Nitrate as N               | Aqueous | NONE                 | 300        | MB      | <0.050    | 0.05    |          |     | 20171121 |
| Sulfate                    | Aqueous | NONE                 | 300        | MB      | <0.10     | 0.1     |          |     | 20171121 |
| Total Dissolved Solids     | Aqueous | NONE                 | 2540-C     | MB      | <2.0      | 2       |          |     | 20171121 |
| Ammonia as N               | Aqueous | METHOD               | 4500-NH3 G | MB      | <0.050    | 0.05    |          |     | 20171121 |
| Nitrate as N               | Aqueous | NONE                 | 300        | MB      | <0.050    | 0.05    |          |     | 20171121 |
| Sulfate                    | Aqueous |                      | 300        | MB      | 3.15      | 0.1     |          |     | 20171121 |
| Total Dissolved Solids     | Aqueous | NONE                 | 2540-C     | LCS     | 1620      | 10      | 99       |     | 20171121 |
| Ammonia as N               |         | METHOD               | 4500-NH3 G | LCS     | 9.62      | 0.25    | 94       |     | 20171121 |
| Nitrate as N               | Aqueous | NONE                 | 300        | LCS     | 2.31      | 0.05    | 92       |     | 20171121 |
| pH lab                     | Aqueous | NONE                 | 4500-H-B   | LCS     | 8.45      |         | 100      |     | 20171121 |
| Sulfate                    | Aqueous | NONE                 | 300        | LCS     | 4.91      | 0.1     | 98       |     | 20171121 |
| Ammonia as N               | Aqueous | METHOD               | 4500-NH3 G | DUP     | <0.050    | 0.05    |          | 7   | 20171121 |
| Ammonia as N               | Aqueous | METHOD               | 4500-NH3 G | MS      | 2.15      | 0.05    | 105      |     | 20171121 |
| Ammonia as N               | Aqueous | METHOD               | 4500-NH3 G | DMS     | 2.16      | 0.05    | 105      | 1   | 20171121 |
| Total Recoverable Mercury  | Sludge, | EPA 1312 / METHOD    | 7470-A     | MB      | <0.0010   | 0.001   |          |     | 20171121 |
| Total Recoverable Aluminum | Sludge, | EPA 1312 / EPA 3010A | 6010-C     | MB      | <0.020    | 0.02    |          |     | 20171121 |
| Total Recoverable Iron     | Sludge, | EPA 1312 / EPA 3010A | 6010-C     | MB      | <0.020    | 0.02    |          |     | 20171121 |
| Total Recoverable Mangane  | Sludge, | EPA 1312 / EPA 3010A | 6010-C     | MB      | <0.010    | 0.01    |          |     | 20171121 |
| Total Recoverable Arsenic  | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.0020   | 0.002   |          |     | 20171121 |
| Total Recoverable Cadmium  | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.000080 | 80000.0 |          |     | 20171121 |
| Total Chromium             | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.00080  | 0.0008  |          |     | 20171121 |
| Total Recoverable Copper   | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.00040  | 0.0004  |          |     | 20171121 |
| Total Recoverable Lead     | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.000080 | 80000.0 |          |     | 20171121 |
| Total Recoverable Nickel   | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.00080  | 0.0008  |          |     | 20171121 |
| Total Recoverable Selenium | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.0040   | 0.004   |          |     | 20171121 |
| Total Recoverable Silver   | Sludge, | EPA 1312 / EPA 3020A | 6020       | MB      | <0.000080 |         |          |     | 20171121 |
| Total Recoverable Zinc     |         | EPA 1312 / EPA 3020A | 6020       | MB      | <0.0040   | 0.004   |          |     | 20171121 |
| Total Recoverable Mercury  | Sludge, | EPA 1312 / METHOD    | 7470-A     | LCS     | 0.0048    | 0.001   | 96       |     | 20171121 |
| Total Recoverable Aluminum | Sludge, | EPA 1312 / EPA 3010A | 6010-C     | LCS     | 9.74      | 0.02    | 97       |     | 20171121 |
| Total Recoverable Iron     |         | EPA 1312 / EPA 3010A | 6010-C     | LCS     | 5.04      | 0.02    | 101      |     | 20171121 |
| Total Recoverable Mangane  |         |                      | 6010-C     | LCS     | 2.43      | 0.01    | 97       |     | 20171121 |
|                            |         | EPA 1312 / EPA 3020A | 6020       | LCS     | 0.0971    | 0.002   | 97       |     | 20171121 |
| Total Recoverable Cadmium  | ,       |                      | 6020       | LCS     | 0.0518    |         | 104      |     | 20171121 |
| Total Chromium             | Sludge, | EPA 1312 / EPA 3020A | 6020       | LCS     | 0.0195    | 8000.0  | 97       |     | 20171121 |

| Analyte                    | Matrix  | Prep                   | Method    | QC Type | Result   | MRL     | Recovery | RPD | Date     |
|----------------------------|---------|------------------------|-----------|---------|----------|---------|----------|-----|----------|
| Total Recoverable Copper   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.0247   | 0.0004  | 99       |     | 20171121 |
| Total Recoverable Lead     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.103    | 0.00008 | 103      |     | 20171121 |
| Total Recoverable Nickel   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.0486   | 0.0008  | 97       |     | 20171121 |
| Total Recoverable Selenium | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.102    | 0.004   | 102      |     | 20171121 |
| Total Recoverable Silver   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.0263   | 0.00008 | 105      |     | 20171121 |
| Total Recoverable Zinc     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | LCS     | 0.0481   | 0.004   | 96       |     | 20171121 |
| Total Recoverable Mercury  | Sludge, | EPA 1312 / METHOD      | 7470-A    | DUP     | <0.0010  | 0.001   |          |     | 20171121 |
| Total Recoverable Aluminum | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | DUP     | 0.203    | 0.02    |          | 1   | 20171121 |
| Total Recoverable Iron     | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | DUP     | 0.044    | 0.02    |          | 2   | 20171121 |
| Total Recoverable Mangane  | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | DUP     | <0.010   | 0.01    |          |     | 20171121 |
| Total Recoverable Arsenic  | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.010   | 0.01    |          |     | 20171121 |
| Total Recoverable Cadmium  | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.00040 | 0.0004  |          |     | 20171121 |
| Total Chromium             | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.0040  | 0.004   |          |     | 20171121 |
| Total Recoverable Copper   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.0020  | 0.002   |          |     | 20171121 |
| Total Recoverable Lead     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.00040 | 0.0004  |          |     | 20171121 |
| Total Recoverable Nickel   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.0040  | 0.004   |          |     | 20171121 |
| Total Recoverable Selenium | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.020   | 0.02    |          |     | 20171121 |
| Total Recoverable Silver   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.00040 | 0.0004  |          |     | 20171121 |
| Total Recoverable Zinc     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | DUP     | <0.020   | 0.02    |          |     | 20171121 |
| Total Recoverable Mercury  | Sludge, | EPA 1312 / METHOD      | 7470-A    | MS      | 0.005    | 0.001   | 99       |     | 20171121 |
| Total Recoverable Aluminum | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | MS      | 9.84     | 0.02    | 96       |     | 20171121 |
| Total Recoverable Iron     | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | MS      | 4.73     | 0.02    | 94       |     | 20171121 |
| Total Recoverable Mangane  | Sludge, | EPA 1312 / EPA 3010A   | 6010-C    | MS      | 2.37     | 0.01    | 95       |     | 20171121 |
| Total Recoverable Arsenic  | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.511    | 0.01    | 102      |     | 20171121 |
| Total Recoverable Cadmium  | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.276    | 0.0004  | 110      |     | 20171121 |
| Total Chromium             | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.102    | 0.004   | 102      |     | 20171121 |
| Total Recoverable Copper   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.13     | 0.002   | 104      |     | 20171121 |
| Total Recoverable Lead     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.542    | 0.0004  | 108      |     | 20171121 |
| Total Recoverable Nickel   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.257    | 0.004   | 103      |     | 20171121 |
| Total Recoverable Selenium | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.527    | 0.02    | 105      |     | 20171121 |
| Total Recoverable Silver   | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.137    | 0.0004  | 110      |     | 20171121 |
| Total Recoverable Zinc     | Sludge, | EPA 1312 / EPA 3020A   | 6020      | MS      | 0.262    | 0.02    | 105      |     | 20171121 |
| Hardness, Total            | Sludge, | NONE                   | 2340-B    | МВ      | <1       | 1       |          |     | 20171121 |
| Hardness, Total            | Sludge, |                        | 2340-B    | DUP     | 36.4     | 1       |          | 1   | 20171121 |
| Total Recoverable Calcium  | Water   | EPA CLP-METALS ILM04.0 | 200.7 (W) | МВ      | <1000    | 1000    |          |     | 20180130 |
| Total Recoverable Iron     | Water   | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50      | 50      |          |     | 20180130 |

| Analyte                     | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Magnesiu  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20180130 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20180130 |
| Total Recoverable Silica    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <430   | 430  |          |     | 20180130 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20180130 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20180130 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20180130 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20180130 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2140   | 20   | 107      |     | 20180130 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 133    | 1    | 107      |     | 20180130 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12400  | 1000 | 99       |     | 20180130 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2520   | 50   | 101      |     | 20180130 |
| Total Recoverable Magnesiı  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13800  | 1000 | 111      |     | 20180130 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 14200  | 1000 | 114      |     | 20180130 |
| Total Recoverable Sodium    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 14200  | 1000 | 113      |     | 20180130 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2470   | 10   | 99       |     | 20180130 |
| Total Recoverable Aluminun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93     | 1    | 93       |     | 20180130 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 2.5  | 100      |     | 20180130 |
| Total Recoverable Cadmium   |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.4   | 0.02 | 102      |     | 20180130 |
| Total Recoverable Chromiur  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.8    | 2.5  | 98       |     | 20180130 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.1   | 1    | 97       |     | 20180130 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.3   | 0.16 | 101      |     | 20180130 |
| Total Recoverable Mangane   |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20180130 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 1    | 97       |     | 20180130 |
| Total Recoverable Selenium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50     | 1    | 100      |     | 20180130 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 0.1  | 98       |     | 20180130 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.3   | 2.5  | 97       |     | 20180130 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20180130 |

| Analyte                    | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Sulfate as SO4             | Water  | NONE   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20180130 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20180130 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Bicarbonate as CaCO3       | Water  | NONE   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
| Carbonate as CaCO3         | Water  | NONE   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
| Chloride                   |        | NONE   | 300        | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Residual Chlorine    | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Nitrate as N               |        | NONE   | 300        | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Sulfate                    |        | NONE   | 300        | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Turbidity Lab              |        | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20180130 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | MB      | <2.0   | 2    |          |     | 20180130 |
| Total Residual Chlorine    | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Total Suspended Solids     | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20180130 |
| Total Residual Chlorine    | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Total Dissolved Solids     | Water  | NONE   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20180130 |
| Alkalinity, Total as CaCO3 |        | NONE   | 2320-B     | LCS     | 164    | 2    | 99       |     | 20180130 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | LCS     | 9.82   | 0.5  | 96       |     | 20180130 |
| Chloride                   |        | NONE   | 300        | LCS     | 4.8    | 1    | 96       |     | 20180130 |
| Total Residual Chlorine    |        | NONE   | 4500-CI G  | LCS     | 0.95   | 0.05 | 95       |     | 20180130 |
| Nitrate as N               |        | NONE   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20180130 |
| Sulfate                    | Water  | NONE   | 300        | LCS     | 4.81   | 0.1  | 96       |     | 20180130 |
| Turbidity Lab              |        | NONE   | 180.1      | LCS     | 6.15   | 0.1  | 94       |     | 20180130 |
| Total Suspended Solids     |        | NONE   | 2540-D     | LCS     | 408    | 20   | 95       |     | 20180130 |
| Total Residual Chlorine    |        | NONE   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20180130 |
| Total Residual Chlorine    |        | NONE   | 4500-CI G  | LCS     | 1.04   | 0.05 | 104      |     | 20180130 |
| Alkalinity, Total as CaCO3 | Water  | NONE   | 2320-B     | DUP     | 83.4   | 2    |          | 1   | 20180130 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | DUP     | <0.050 | 0.05 |          | NC  | 20180130 |
| Bicarbonate as CaCO3       | Water  | NONE   | 2320-B     | DUP     | 83.4   | 2    |          | 1   | 20180130 |
| Carbonate as CaCO3         | Water  | NONE   | 2320-B     | DUP     | <2.0   | 2    |          | NC  | 20180130 |
| Total Residual Chlorine    | Water  | NONE   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20180130 |
| Turbidity Lab              | Water  | NONE   | 180.1      | DUP     | 8.44   | 0.1  |          | 2   | 20180130 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | MS      | 0.984  | 0.05 | 98       |     | 20180130 |
| Total Residual Chlorine    |        | NONE   | 4500-CI G  | MS      | 1.03   | 0.05 | 103      |     | 20180130 |
| Ammonia as N               | Water  | METHOD | 4500-NH3 G | DMS     | 1.01   | 0.05 | 101      | 2   | 20180130 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
|                             | Water  | NONE                   | 4500-CI G  | DMS     | 1.02   | 0.05 | 102      | 1   | 20180130 |
| Total Recoverable Antimony  |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <20    | 20   |          |     | 20180130 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171101 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171101 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171101 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1650   | 10   | 101      |     | 20171101 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20171101 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171101 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171122 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171122 |
| Chloride                    | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171122 |
| Conductivity                | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171122 |
| Nitrate as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171122 |
| Nitrite as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171122 |
| Sulfate                     | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171122 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171122 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <2.0   | 2    |          |     | 20171122 |
| Sulfate                     | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171122 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171122 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20171122 |
| Chloride                    | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171122 |
| Conductivity                | Water  | NONE                   | 2510       | LCS     | 240    | 5    | 102      |     | 20171122 |
| Nitrate as N                | Water  | NONE                   | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20171122 |
| Nitrite as N                | Water  | NONE                   | 300        | LCS     | 2.29   | 0.05 | 91       |     | 20171122 |
| pH lab                      | Water  | NONE                   | 4500-H-B   | LCS     | 8.46   |      | 101      |     | 20171122 |
| Sulfate                     | Water  | NONE                   | 300        | LCS     | 5.11   | 0.1  | 102      |     | 20171122 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.13   | 0.1  | 94       |     | 20171122 |
| Sulfate                     | Water  | NONE                   | 300        | LCS     | 5.12   | 0.1  | 102      |     | 20171122 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.04   | 0.1  |          | 1   | 20171122 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | DUP     | 120    | 0.5  |          | 3   | 20171122 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 3.09   | 0.1  | 102      |     | 20171122 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.08   | 0.1  | 101      | 1   | 20171122 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171122 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171122 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171122 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result  | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|---------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20171122 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171122 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16   | 0.16 |          |     | 20171122 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171122 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171122 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171122 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10   | 0.1  |          |     | 20171122 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20171122 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5    | 2.5  |          |     | 20171122 |
|                            | Water  | METHOD                 | 7470-A     | MB      | <0.20   | 0.2  |          |     | 20171122 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5060    | 10   | 101      |     | 20171122 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480    | 50   | 99       |     | 20171122 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.3    | 2.5  | 101      |     | 20171122 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7    | 0.02 | 103      |     | 20171122 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4    | 1    | 99       |     | 20171122 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6    | 0.16 | 101      |     | 20171122 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7    | 1    | 99       |     | 20171122 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4    | 1    | 98       |     | 20171122 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2    | 1    | 98       |     | 20171122 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5    | 0.1  | 100      |     | 20171122 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2    | 2.5  | 97       |     | 20171122 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.7     | 2.5  | 97       |     | 20171122 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.76    | 0.2  | 95       |     | 20171122 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1      | 1    |          |     | 20171122 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10   | 0.1  |          |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | < 0.050 | 0.05 |          |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10   | 0.1  |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6    | 0.5  | 104      |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.32    | 0.05 | 93       |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.13    | 0.1  | 94       |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50     | 50   |          |     | 20171115 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20171115 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000   | 1000 |          |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020  | 0.02 |          |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0    | 1    |          |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171115 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20171115 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 1    | 99       |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 2.5  | 97       |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 49.8   | 1    | 100      |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 49     | 1    | 98       | 2   | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171115 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.8    | 1    | 97       |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.96   | 0.1  | 99       |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.13   | 0.1  | 94       |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171115 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2480   | 50   | 99       |     | 20171115 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 1    | 97       |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 101    | 0.05 | 101      |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 1    | 99       |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 1    | 98       |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 2.5  | 97       |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 134    | 50   |          | 1   | 20171115 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.4    | 1    |          | 1   | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 40     | 0.05 |          | 2   | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 17.3   | 1    |          | 2   | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1120   | 50   | 99       |     | 20171115 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 109    | 1    | 103      |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 145    | 0.05 | 104      |     | 20171115 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 26     | 0.02 | 104      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.7   | 1    | 101      |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.5   | 0.16 | 101      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 42.3   | 1    | 98       |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.8   | 1    | 99       |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.1   | 1    | 102      |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.5   | 0.1  | 100      |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.5   | 2.5  | 98       |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 265    | 1    |          | 1   | 20171115 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171121 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171121 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20171121 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.96   | 0.05 | 96       |     | 20171121 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.11   | 0.1  | 102      |     | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.13   | 0.1  | 94       |     | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.12   | 0.1  | 102      |     | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171121 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.26   | 0.1  |          | 8   | 20171121 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171121 |
| Chloride                   | Water  | NONE                   | 300        | DUP     | <1.0   | 1    |          | NC  | 20171121 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 0.208  | 0.05 |          | 3   | 20171121 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 1.02   | 0.05 | 102      |     | 20171121 |
| Chloride                   | Water  | NONE                   | 300        | MS      | 4.2    | 2    | 105      |     | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 4.1    | 0.1  | 97       |     | 20171121 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 5.63   | 0.2  | 104      |     | 20171121 |
| Chloride                   |        | NONE                   | 300        | DMS     | 4.2    | 2    | 105      | 1   | 20171121 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 4.09   | 0.1  | 97       | 1   | 20171121 |
| Sulfate                    |        | NONE                   | 300        | DMS     | 5.63   | 0.2  | 104      | 1   | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171121 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171121 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20171121 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20171121 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 1    | 99       |     | 20171121 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171121 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171121 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20171121 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20171121 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 2.5  | 97       |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             |        | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 49.6   | 1    | 99       |     | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 49.3   | 1    | 99       | 1   | 20171121 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.29   | 0.5  | 106      |     | 20171121 |
| Hardness, Total            |        | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171121 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20180130 |
| Alkalinity, Total as CaCO3 | Water  | NONE                   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.050 | 0.05 |          |     | 20180130 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Bicarbonate as CaCO3        | Water  | NONE                   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
| Carbonate as CaCO3          | Water  | NONE                   | 2320-B     | MB      | <2.0   | 2    |          |     | 20180130 |
|                             | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Nitrate as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Sulfate                     | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20180130 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20180130 |
|                             | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20180130 |
| Total Dissolved Solids      | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20180130 |
| Alkalinity, Total as CaCO3  | Water  | NONE                   | 2320-B     | LCS     | 164    | 2    | 99       |     | 20180130 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.25 | 104      |     | 20180130 |
| Chloride                    | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20180130 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G  | LCS     | 0.96   | 0.05 | 96       |     | 20180130 |
| Nitrate as N                | Water  | NONE                   | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20180130 |
| Sulfate                     | Water  | NONE                   | 300        | LCS     | 5.11   | 0.1  | 102      |     | 20180130 |
| Turbidity Lab               | Water  | NONE                   | 180.1      | LCS     | 6.13   | 0.1  | 94       |     | 20180130 |
| Total Suspended Solids      | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20180130 |
| Total Residual Chlorine     | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20180130 |
| Sulfate                     | Water  | NONE                   | 300        | LCS     | 5.12   | 0.1  | 102      |     | 20180130 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DUP     | <0.050 | 0.05 |          | NC  | 20180130 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MS      | 2.04   | 0.05 | 102      |     | 20180130 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | DMS     | 2.01   | 0.05 | 100      | 1   | 20180130 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20180130 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20180130 |
| Total Recoverable Potassiur | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20180130 |
| Total Recoverable Aluminum  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20180130 |
| Total Recoverable Chromiun  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20180130 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180130 |
|                             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180130 |

| Analyte                     | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20180130 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20180130 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20180130 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20180130 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.050 | 0.05 |          |     | 20180130 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20180130 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20180130 |
| Total Recoverable Silica    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <430   | 430  |          |     | 20180130 |
| Total Recoverable Calcium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12400  | 1000 | 99       |     | 20180130 |
| Total Recoverable Iron      | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2480   | 50   | 99       |     | 20180130 |
| Total Recoverable Potassiui | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12700  | 1000 | 101      |     | 20180130 |
| Total Recoverable Aluminur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 1    | 97       |     | 20180130 |
| Total Recoverable Arsenic   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.3   | 2.5  | 101      |     | 20180130 |
| Total Recoverable Cadmium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20180130 |
| Total Recoverable Chromiur  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 9.9    | 2.5  | 99       |     | 20180130 |
| Total Recoverable Copper    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 1    | 99       |     | 20180130 |
| Total Recoverable Lead      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20180130 |
| Total Recoverable Mangane   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20180130 |
| Total Recoverable Nickel    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20180130 |
| Total Recoverable Selenium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 1    | 98       |     | 20180130 |
| Total Recoverable Silver    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20180130 |
| Total Recoverable Zinc      | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 2.5  | 97       |     | 20180130 |
| Total Recoverable Mercury   | Water  | METHOD                 | 7470-A    | LCS     | 4.91   | 0.2  | 98       |     | 20180130 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 10.2   | 0.05 | 102      |     | 20180130 |
| Total Recoverable Beryllium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 2.58   | 0.02 | 103      |     | 20180130 |
| Total Recoverable Thallium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 53     | 0.02 | 106      |     | 20180130 |
| Total Recoverable Silica    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 21700  | 430  | 101      |     | 20180130 |
| Total Recoverable Antimony  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.102  | 0.05 |          | 15  | 20180130 |
| Total Recoverable Beryllium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20180130 |
| Total Recoverable Thallium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          | 0   | 20180130 |
| Total Recoverable Silica    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 8660   | 430  |          | 3   | 20180130 |
| Total Recoverable Antimony  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 10.1   | 0.05 | 100      |     | 20180130 |
| Total Recoverable Beryllium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 2.52   | 0.02 | 101      |     | 20180130 |
| Total Recoverable Thallium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.8   | 0.02 | 100      |     | 20180130 |
| Total Recoverable Silica    | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 29500  | 430  | 96       |     | 20180130 |
| Hardness, Total             | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20180130 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20180130 |
|                            | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171115 |
|                            | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171115 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171115 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171115 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 10.6   | 0.5  | 104      |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171115 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.96   | 0.05 | 96       |     | 20171115 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.32   | 0.05 | 93       |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.11   | 0.1  | 102      |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.13   | 0.1  | 94       |     | 20171115 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20171115 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.99   | 0.05 | 99       |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.12   | 0.1  | 102      |     | 20171115 |
| Color                      | Water  | NONE                   | 2120-B     | DUP     | <5.0   | 5    |          | NC  | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 1    | 99       |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20171115 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 2.5  | 97       |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.2    | 0.5  | 104      |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.72   | 0.5  | 95       |     | 20171115 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.7    | 1    | 95       |     | 20171115 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20171115 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.8    | 0.1  | 96       |     | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.47   | 0.1  |          | 1   | 20171115 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.41   | 0.1  |          | 1   | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.54   | 0.1  | 104      |     | 20171115 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.51   | 0.1  | 102      | 2   | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2480   | 50   | 99       |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 97     | 1    | 97       |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 101    | 0.05 | 101      |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 25.7   | 0.02 | 103      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.4   | 1    | 99       |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 50.6   | 0.16 | 101      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.7   | 1    | 99       |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.4   | 1    | 98       |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 49.2   | 1    | 98       |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.5   | 0.1  | 100      |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 2.5  | 97       |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 126    | 50   |          | 4   | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.4    | 1    |          | 1   | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 30.6   | 0.05 |          | 1   | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 15.5   | 1    |          | 1   | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171115 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1100   | 50   | 98       |     | 20171115 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 104    | 1    | 99       |     | 20171115 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 135    | 0.05 | 104      |     | 20171115 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.8   | 0.02 | 103      |     | 20171115 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 1    | 100      |     | 20171115 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.9   | 0.16 | 100      |     | 20171115 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 40.4   | 1    | 99       |     | 20171115 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.5   | 1    | 98       |     | 20171115 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 51.5   | 1    | 103      |     | 20171115 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.4   | 0.1  | 99       |     | 20171115 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 2.5  | 96       |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    | _        |     | 20171115 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171115 |
|                            | Water  | METHOD                 | 1631       | MS      | 48.8   | 1    | 98       |     | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 48.8   | 1    | 98       | 1   | 20171115 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.2    | 0.5  | 104      |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171115 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 261    | 1    |          | 2   | 20171115 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171116 |
|                            | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171116 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171116 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.72   | 0.5  | 95       |     | 20171116 |
|                            | Water  | NONE                   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20171116 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171116 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171116 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171116 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171116 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171116 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171116 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171116 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171116 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20171116 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12700  | 1000 | 102      |     | 20171116 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 97     | 1    | 97       |     | 20171116 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20171116 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 1    | 99       |     | 20171116 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171116 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171116 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20171116 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 2.5  | 97       |     | 20171116 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171116 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171116 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171116 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.2    | 0.5  | 104      |     | 20171116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171116 |
|                            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171113 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171113 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171113 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171128 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171128 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171128 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171128 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171128 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171128 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171128 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171128 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171128 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171128 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 97       |     | 20171128 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.72   | 0.5  | 95       |     | 20171128 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.8    | 1    | 96       |     | 20171128 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 238    | 5    | 102      |     | 20171128 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20171128 |
| Nitrite as N               | Water  | NONE                   | 300        | LCS     | 2.3    | 0.05 | 92       |     | 20171128 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | LCS     | 8.43   |      | 100      |     | 20171128 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.06   | 0.1  | 101      |     | 20171128 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 5.88   | 0.1  | 90       |     | 20171128 |
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.42   |      |          | 1   | 20171128 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 399    | 5    |          | 1   | 20171128 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 589    | 10   | 96       |     | 20171128 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 583    | 10   | 93       | 1   | 20171128 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171128 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171128 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171128 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171128 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171128 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171128 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171128 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171128 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171128 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171128 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171128 |
| Total Chromium             |        | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171128 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171128 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5060   | 10   | 101      |     | 20171128 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2480   | 50   | 99       |     | 20171128 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.3   | 2.5  | 101      |     | 20171128 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 25.7   | 0.02 | 103      |     | 20171128 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.4   | 1    | 99       |     | 20171128 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 50.6   | 0.16 | 101      |     | 20171128 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.7   | 1    | 99       |     | 20171128 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.4   | 1    | 98       |     | 20171128 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49.2   | 1    | 98       |     | 20171128 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.5   | 0.1  | 100      |     | 20171128 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 2.5  | 97       |     | 20171128 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.7    | 2.5  | 97       |     | 20171128 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 4.76   | 0.2  | 95       |     | 20171128 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171128 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171127 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171127 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171127 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171127 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171127 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171127 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171127 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171127 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171127 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.72   | 0.5  | 95       |     | 20171127 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.8    | 1    | 96       |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.96   | 0.05 | 96       |     | 20171127 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171127 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.33   | 0.05 | 93       |     | 20171127 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.18   | 0.1  | 104      |     | 20171127 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.64   | 0.1  | 102      |     | 20171127 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 406    | 20   | 95       |     | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.94   | 0.05 | 94       |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171127 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.45   | 0.1  |          | 2   | 20171127 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171127 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 40     | 10   |          | 2   | 20171127 |
| Chloride                   | Water  | NONE                   | 300        | DUP     | <1.0   | 1    |          | NC  | 20171127 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 0.251  | 0.05 |          | 2   | 20171127 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 3.33   | 0.1  |          | 4   | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.95   | 0.05 | 95       |     | 20171127 |
| Chloride                   | Water  | NONE                   | 300        | MS      | 4      | 2    | 101      |     | 20171127 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 3.94   | 0.1  | 92       |     | 20171127 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 7.5    | 0.2  | 101      |     | 20171127 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DMS     | 0.95   | 0.05 | 95       | 1   | 20171127 |
| Chloride                   | Water  | NONE                   | 300        | DMS     | 4      | 2    | 101      | 1   | 20171127 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 3.96   | 0.1  | 93       | 1   | 20171127 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 7.5    | 0.2  | 101      | 1   | 20171127 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171127 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171127 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171127 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171127 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171127 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171127 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2600   | 50   | 104      |     | 20171127 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12800  | 1000 | 102      |     | 20171127 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13200  | 1000 | 106      |     | 20171127 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 99.8   | 1    | 100      |     | 20171127 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 0.02 | 95       |     | 20171127 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 1    | 93       |     | 20171127 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20171127 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23     | 1    | 92       |     | 20171127 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171127 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48     | 1    | 96       |     | 20171127 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 2.5  | 94       |     | 20171127 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | <50    | 50   |          |     | 20171127 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1500   | 1000 |          | 1   | 20171127 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 1200   | 1000 |          | 8   | 20171127 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 11.4   | 1    |          | 1   | 20171127 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171127 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171127 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          | NC  | 20171127 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171127 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171127 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          | NC  | 20171127 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          | NC  | 20171127 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1060   | 50   | 106      |     | 20171127 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11700  | 1000 | 102      |     | 20171127 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 11700  | 1000 | 104      |     | 20171127 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 109    | 1    | 98       |     | 20171127 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.8   | 0.02 | 99       |     | 20171127 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12.5   | 1    | 100      |     | 20171127 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.1   | 0.16 | 98       |     | 20171127 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.6   | 1    | 98       |     | 20171127 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 1    | 96       |     | 20171127 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.7   | 1    | 99       |     | 20171127 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.4   | 2.5  | 97       |     | 20171127 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171127 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171127 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171127 |

| Analyte                | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total         | Water  | METHOD | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20171127 |
| Hardness, Total        | Water  | NONE   | 2340-B     | MB      | <1     | 1    |          |     | 20171127 |
| Hardness, Total        | Water  | NONE   | 2340-B     | DUP     | 44.6   | 1    |          | 1   | 20171127 |
| Sulfate as SO4         | Water  | NONE   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171127 |
| Sulfate as SO4         | Water  | NONE   | 200.7 (W)  | DUP     | 8.4    | 1    |          | 1   | 20171127 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171122 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171122 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171122 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171122 |
| Total Suspended Solids | Water  | NONE   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171122 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Chloride               | Water  | NONE   | 300        | MB      | <1.0   | 1    |          |     | 20171204 |
| Conductivity           | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20171204 |
| Nitrate as N           | Water  | NONE   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Nitrite as N           | Water  | NONE   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                | Water  | NONE   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Turbidity Lab          | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Conductivity           | Water  | NONE   | 2510       | MB      | <5.0   | 5    |          |     | 20171204 |
| Total Dissolved Solids | Water  | NONE   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171204 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Chloride               | Water  | NONE   | 300        | LCS     | 4.7    | 1    | 95       |     | 20171204 |
| Conductivity           | Water  | NONE   | 2510       | LCS     | 238    | 5    | 102      |     | 20171204 |
| Nitrate as N           | Water  | NONE   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171204 |
| Nitrite as N           | Water  | NONE   | 300        | LCS     | 2.31   | 0.05 | 92       |     | 20171204 |
| pH lab                 | Water  | NONE   | 4500-H-B   | LCS     | 8.4    |      | 100      |     | 20171204 |
| Sulfate                | Water  | NONE   | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20171204 |
| Turbidity Lab          | Water  | NONE   | 180.1      | LCS     | 6.25   | 0.1  | 96       |     | 20171204 |
| Ammonia as N           | Water  | METHOD | 4500-NH3 G | DUP     | 5.87   | 0.2  |          | 1   | 20171204 |

| Analyte                    | Matrix |                        | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| pH lab                     | Water  | NONE                   | 4500-H-B   | DUP     | 7.2    |      |          | 1   | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 15.6   | 0.5  | 97       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 15.6   | 0.5  | 97       | 1   | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MB      | <0.20  | 0.2  |          |     | 20171204 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <10    | 10   |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | LCS     | 5.33   | 0.2  | 107      |     | 20171204 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 5080   | 50   | 102      |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20171204 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 2.5  | 94       |     | 20171204 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.3   | 1    | 91       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49     | 0.16 | 98       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 91       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 92       |     | 20171204 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 0.1  | 94       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 2.5  | 95       |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | LCS     | 9.6    | 2.5  | 96       |     | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | DUP     | <0.20  | 0.2  |          |     | 20171204 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 2250   | 10   |          | 2   | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 5290   | 50   |          | 1   | 20171204 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 14.3   | 2.5  |          | 1   | 20171204 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.519  | 0.02 |          | 4   | 20171204 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 6.6    | 1    |          | 2   | 20171204 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 3010   | 100  |          | 2   | 20171204 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 9.1    | 1    |          | 3   | 20171204 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 2.2    | 1    |          | 5   | 20171204 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171204 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 19.1   | 2.5  |          | 1   | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A     | MS      | 5.31   | 0.2  | 106      |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 4220   | 20   | 101      |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 6330   | 50   | 107      |     | 20171204 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 64     | 2.5  | 99       |     | 20171204 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.4   | 0.02 | 96       |     | 20171204 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 17.5   | 1    | 88       |     | 20171204 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 47.6   | 0.16 | 95       |     | 20171204 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 2960   | 100  | -366     |     | 20171204 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 31.5   | 1    | 91       |     | 20171204 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 51.1   | 1    | 98       |     | 20171204 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 0.1  | 93       |     | 20171204 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41     | 2.5  | 89       |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 11     | 2.5  | 110      |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 638    | 1    |          | 2   | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171120 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171120 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171120 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171120 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171120 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.25   | 0.1  | 96       |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2600   | 50   | 104      |     | 20171204 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20171204 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13200  | 1000 | 106      |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 99.8   | 1    | 100      |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 0.02 | 95       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 1    | 93       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.6   | 0.16 | 95       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23     | 1    | 92       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 2.5  | 94       |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 49.9   | 1    | 100      |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 50.5   | 1    | 101      | 1   | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.92   | 0.5  | 98       |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171204 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
|                            | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1550   | 10   | 94       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.7    | 1    | 95       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.37   | 0.05 | 95       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.86   | 0.1  | 97       |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.25   | 0.1  | 96       |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 424    | 20   | 99       |     | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | DUP     | 11.5   | 5    |          | 1   | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 4.65   | 0.25 |          | 2   | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 237    | 5    |          | 1   | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 675    | 10   |          | 3   | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 5.68   | 0.1  |          | 5   | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 6.8    | 1    |          | 6   | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | MS      | 29     | 10   | 89       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 23.6   | 0.5  | 94       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 434    | 10   | 98       |     | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | DMS     | 29     | 10   | 89       | 1   | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 23.7   | 0.5  | 95       | 1   | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 435    | 10   | 98       | 1   | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | МВ      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2600   | 50   | 104      |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 99.8   | 1    | 100      |     | 20171204 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.2   | 0.05 | 94       |     | 20171204 |

| Analyte                    | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.8   | 0.02 | 95       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.6   | 1    | 93       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.6   | 0.16 | 95       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23     | 1    | 92       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48     | 1    | 96       |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 0.1  | 94       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 2.5  | 94       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 138    | 50   |          | 6   | 20171204 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 8.7    | 1    |          | 2   | 20171204 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 22.9   | 0.05 |          | 1   | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 14.4   | 1    |          | 1   | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1190   | 50   | 104      |     | 20171204 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 102    | 1    | 94       |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 121    | 0.05 | 98       |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.5   | 0.02 | 98       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 12     | 1    | 96       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.4   | 0.16 | 97       |     | 20171204 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 38.4   | 1    | 95       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.4   | 1    | 98       |     | 20171204 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 50.6   | 1    | 101      |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.8   | 0.1  | 94       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 2.5  | 96       |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MS      | 52.9   | 1    | 106      |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | DMS     | 52.4   | 1    | 105      | 1   | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 4.92   | 0.5  | 98       |     | 20171204 |

| Analyte                 | Matrix | Prep   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-------------------------|--------|--------|------------|---------|--------|------|----------|-----|----------|
| Hardness, Total         | Water  | NONE   | 2340-B     | MB      | <1     | 1    |          |     | 20171204 |
| Hardness, Total         | Water  | NONE   | 2340-B     | DUP     | 276    | 1    |          | 1   | 20171204 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Chloride                | Water  | NONE   | 300        | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Color                   | Water  | NONE   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171205 |
| Nitrate as N            | Water  | NONE   | 300        | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Sulfate                 | Water  | NONE   | 300        | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Turbidity Lab           | Water  | NONE   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Total Dissolved Solids  | Water  | NONE   | 2540-C     | LCS     | 1520   | 10   | 93       |     | 20171205 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171205 |
| Chloride                | Water  | NONE   | 300        | LCS     | 4.8    | 1    | 95       |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 0.97   | 0.05 | 97       |     | 20171205 |
| Color                   | Water  | NONE   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171205 |
| Nitrate as N            | Water  | NONE   | 300        | LCS     | 2.38   | 0.05 | 95       |     | 20171205 |
| Sulfate                 | Water  | NONE   | 300        | LCS     | 4.78   | 0.1  | 96       |     | 20171205 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.43   | 0.1  | 99       |     | 20171205 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 0.94   | 0.05 | 94       |     | 20171205 |
| Turbidity Lab           | Water  | NONE   | 180.1      | LCS     | 6.52   | 0.1  | 100      |     | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | LCS     | 0.91   | 0.05 | 91       |     | 20171205 |
| Ammonia as N            | Water  | METHOD | 4500-NH3 G | DUP     | <0.10  | 0.1  |          | NC  | 20171205 |
| Chloride                | Water  | NONE   | 300        | DUP     | <2.0   | 2    |          | NC  | 20171205 |
| Total Residual Chlorine | Water  | NONE   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171205 |
| Color                   | Water  | NONE   | 2120-B     | DUP     | 15     | 5    |          | 1   | 20171205 |
| Nitrate as N            | Water  | NONE   | 300        | DUP     | <0.10  | 0.1  |          | NC  | 20171205 |
| Sulfate                 | Water  | NONE   | 300        | DUP     | 3.33   | 0.2  |          | 2   | 20171205 |
| Turbidity Lab           | Water  | NONE   | 180.1      | DUP     | 0.34   | 0.1  |          | 2   | 20171205 |
| Total Suspended Solids  | Water  | NONE   | 2540-D     | DUP     | 9.2    | 4    |          | 1   | 20171205 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 1.94   | 0.1  | 97       |     | 20171205 |
| Chloride                   | Water  | NONE                   | 300        | MS      | 8.6    | 4    | 107      |     | 20171205 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.98   | 0.05 | 98       |     | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 7.81   | 0.2  | 98       |     | 20171205 |
| Sulfate                    | Water  | NONE                   | 300        | MS      | 11     | 0.4  | 95       |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 1.95   | 0.1  | 97       | 1   | 20171205 |
| Chloride                   | Water  | NONE                   | 300        | DMS     | 8.6    | 4    | 108      | 1   | 20171205 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DMS     | 0.98   | 0.05 | 98       | 1   | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 7.87   | 0.2  | 98       | 1   | 20171205 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 11     | 0.4  | 94       | 1   | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2570   | 50   | 103      |     | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 90.6   | 1    | 91       |     | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.3   | 0.02 | 97       |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.3   | 1    | 91       |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 49     | 0.16 | 98       |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 91       |     | 20171205 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 92       |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 1    | 96       |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.8   | 2.5  | 95       |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 54     | 50   |          | 5   | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 28.3   | 1    |          | 1   | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171205 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 4.2    | 1    |          | 2   | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          | NC  | 20171205 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          | NC  | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1060   | 50   | 100      |     | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 119    | 1    | 91       |     | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.2   | 0.02 | 97       |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.7   | 1    | 94       |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.7   | 0.16 | 97       |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 27.2   | 1    | 92       |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23     | 1    | 92       |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 49.3   | 1    | 99       |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.8   | 2.5  | 95       |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 47.5   | 1    | 95       |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 47.2   | 1    | 94       | 1   | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.83   | 0.5  | 97       |     | 20171205 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171205 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 87.9   | 1    |          | 1   | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171204 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Nitrite as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Conductivity               | Water  | NONE                   | 2510       | MB      | <5.0   | 5    |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
|                            | Water  | NONE                   | 2540-C     | LCS     | 1540   | 10   | 94       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.8    | 1    | 96       |     | 20171204 |
| Conductivity               | Water  | NONE                   | 2510       | LCS     | 238    | 5    | 102      |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.4    | 0.05 | 96       |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrite as N               | Water  | NONE                   | 300       | LCS     | 2.32   | 0.05 | 93       |     | 20171204 |
| pH lab                     | Water  | NONE                   | 4500-H-B  | LCS     | 8.42   |      | 100      |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.86   | 0.1  | 97       |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.41   | 0.1  | 98       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.98   | 0.1  | 100      |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 5      | 0.1  | 100      |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | DUP     | 199    | 5    |          | 2   | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | MS      | 401    | 10   | 99       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | DMS     | 395    | 10   | 96       | 1   | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | MB      | <0.20  | 0.2  |          |     | 20171204 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <10    | 10   |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Mercury  | Water  | METHOD                 | 7470-A    | LCS     | 5.7    | 0.2  | 114      |     | 20171204 |
| Total Recoverable Arsenic  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.7   | 2.5  | 95       |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 0.02 | 96       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 1    | 94       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 0.16 | 96       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.3   | 1    | 97       |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 0.1  | 94       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W) | LCS     | 9.5    | 2.5  | 95       |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5250   | 10   | 105      |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2550   | 50   | 102      |     | 20171204 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 0.955  | 0.02 |          | 1   | 20171204 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.6    | 1    |          | 1   | 20171204 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171204 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 295    | 1    |          | 1   | 20171204 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 6.8    | 1    |          | 3   | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 1.7    | 1    |          | 1   | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 91.5   | 2.5  |          | 1   | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 199    | 10   |          | 1   | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 108    | 50   |          | 4   | 20171204 |
| Dissolved Arsenic          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.4   | 2.5  | 97       |     | 20171204 |
| Dissolved Cadmium          | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 25.4   | 0.02 | 98       |     | 20171204 |
| Dissolved Copper           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 12.4   | 1    | 86       |     | 20171204 |
| Dissolved Lead             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.1   | 0.16 | 96       |     | 20171204 |
| Dissolved Manganese        | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 315    | 1    | 69       |     | 20171204 |
| Dissolved Nickel           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 28.5   | 1    | 86       |     | 20171204 |
| Dissolved Selenium         | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 50.9   | 1    | 99       |     | 20171204 |
| Dissolved Silver           | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.5   | 0.1  | 92       |     | 20171204 |
| Dissolved Zinc             | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 114    | 2.5  | 87       |     | 20171204 |
| Total Chromium             | Water  | EPA 3020A              | 200.8 (W)  | MS      | 8.4    | 2.5  | 84       |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 2190   | 10   | 99       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1100   | 50   | 99       |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 252    | 1    |          | 1   | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Nitrate as N               | Water  | NONE                   | 300       | LCS     | 2.43   | 0.05 | 97       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 5.06   | 0.1  | 101      |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1     | LCS     | 6.69   | 0.1  | 103      |     | 20171204 |
|                            | Water  | NONE                   | 2540-D    | LCS     | 402    | 20   | 94       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300       | LCS     | 2.41   | 0.05 | 96       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.93   | 0.1  | 99       |     | 20171204 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <1.0   | 1    |          | NC  | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171204 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 93.4   | 1    | 93       |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 0.02 | 96       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 1    | 94       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.1   | 0.16 | 96       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.5   | 1    | 94       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.3   | 1    | 97       |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.8   | 0.1  | 94       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.9   | 2.5  | 96       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2550   | 50   | 102      |     | 20171204 |
| Total Recoverable Magnesiu |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 12900  | 1000 | 103      |     | 20171204 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 13000  | 1000 | 104      |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
|                            | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | МВ      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 4.87   | 0.5  | 97       |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
|                            | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171204 |
|                            | Water  | NONE                   | 180.1      | LCS     | 6.69   | 0.1  | 103      |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20171204 |
|                            | Water  | METHOD                 | 4500-NH3 G | DUP     | 2.11   | 0.1  |          | 1   | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 4.08   | 0.1  | 98       |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 4.08   | 0.1  | 98       | 1   | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171204 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 93.4   | 1    | 93       |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 0.02 | 96       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.8   | 1    | 94       |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.1   | 0.16 | 96       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 1    | 94       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.9   | 2.5  | 96       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2550   | 50   | 102      |     | 20171204 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13000  | 1000 | 104      |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
|                            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 48.5   | 1    | 97       |     | 20171204 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 48.5   | 1    | 97       | 1   | 20171204 |
|                            |        | METHOD                 | 1631       | QCS     | 4.87   | 0.5  | 97       |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171204 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171213 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171213 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 396    | 20   | 92       |     | 20171213 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 471    | 10   |          | 8   | 20171213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171213 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.06   | 0.1  | 101      |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.69   | 0.1  | 103      |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20171204 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20171204 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 1.26   | 0.1  |          | 1   | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171204 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20171204 |

| Analyte                    | Matrix | · ·                    | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 0.02 | 96       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 99       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.9   | 0.16 | 98       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.7   | 1    | 95       |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 0.1  | 95       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 153    | 50   |          | 4   | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 6.8    | 1    |          | 1   | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 31.4   | 1    |          | 3   | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171204 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171204 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1200   | 50   | 104      |     | 20171204 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 107    | 1    | 101      |     | 20171204 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.5   | 0.02 | 94       |     | 20171204 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.9   | 1    | 95       |     | 20171204 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 45.8   | 0.16 | 92       |     | 20171204 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 54.9   | 1    | 98       |     | 20171204 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.6   | 1    | 95       |     | 20171204 |
| Total Recoverable Selenium |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 48.3   | 1    | 97       |     | 20171204 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.3   | 0.1  | 91       |     | 20171204 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 25.1   | 2.5  | 101      |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171204 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 4.87   | 0.5  | 97       |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171204 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | DUP     | 256    | 1    |          | 6   | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20171213 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20171213 |

| Analyte                  | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|--------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171213 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | LCS     | 1580   | 10   | 96       |     | 20171213 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20171213 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chlorophyll A            | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171218 |
| Nitrate as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrite as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrogen, Total Kjeldahl | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20171218 |
|                          | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chlorophyll A            | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171218 |
| Nitrate as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrite as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chlorophyll A            | Water  | NONE                   | 10200 H    | LCS     | 4170   | 80   | 97       |     | 20171218 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | LCS     | 25.3   | 0.5  | 105      |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | LCS     | 111    | 5    | 91       |     | 20171218 |
| Nitrate as N             | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171218 |
| Nitrite as N             | Water  | NONE                   | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20171218 |
| Nitrogen, Total Kjeldahl | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.84   | 0.2  | 100      |     | 20171218 |
| Phosphorus               | Water  | METHOD                 | 365.3      | LCS     | 8.1    | 0.1  | 94       |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | LCS     | 25.9   | 0.5  | 108      |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | LCS     | 120    | 5    | 99       |     | 20171218 |
| Nitrate as N             | Water  | NONE                   | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20171218 |
| Nitrite as N             | Water  | NONE                   | 300        | LCS     | 2.34   | 0.05 | 94       |     | 20171218 |
| Total Organic Carbon     | Water  | NONE                   | 5310-C     | LCS     | 25.3   | 0.5  | 106      |     | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | LCS     | 115    | 5    | 95       |     | 20171218 |
| Chlorophyll A            | Water  | NONE                   | 10200 H    | DLCS    | 4110   | 80   | 96       | 1   | 20171218 |
| Chemical Oxygen Demand   | Water  | NONE                   | 5220-C     | DUP     | 12.2   | 5    |          | 7   | 20171218 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DUP     | 2.8    | 0.2  |          | 8   | 20171218 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DUP     | 0.022  | 0.01 |          | 16  | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.95   | 0.5  |          | 1   | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 5.06   | 0.5  |          | 3   | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.33   | 0.5  |          | 3   | 20171218 |
|                             | Water  | NONE                   | 5310-C     | DUP     | 2.91   | 0.5  |          | 1   | 20171218 |
|                             | Water  | NONE                   | 5220-C     | MS      | 116    | 13   | 103      |     | 20171218 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MS      | 17.5   | 0.2  | 75       |     | 20171218 |
|                             | Water  | METHOD                 | 365.3      | MS      | 0.518  | 0.01 | 98       |     | 20171218 |
|                             | Water  | NONE                   | 5310-C     | MS      | 31.3   | 0.5  | 109      |     | 20171218 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DMS     | 21.8   | 0.2  | 96       | 25  | 20171218 |
|                             | Water  | METHOD                 | 365.3      | DMS     | 0.492  | 0.01 | 93       | 5   | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 10200  | 40   | 102      |     | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 25200  | 1000 |          | 3   | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 123000 | 40   |          | 2   | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 36000  | 1000 | 100      |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 135000 | 40   | 86       |     | 20171218 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171218 |
| Nitrate as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrite as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | MB      | <0.010 | 0.01 |          |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chlorophyll A               | Water  | METHOD                 | 10200 H    | MB      | <0.60  | 0.6  |          |     | 20171218 |
| Nitrate as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrite as N                | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
|                             | Water  | NONE                   | 5310-C     | MB      | <0.50  | 0.5  |          |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MB      | <5.0   | 5    |          |     | 20171218 |

| Analyte                     | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|-----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chlorophyll A               | Water  | NONE                   | 10200 H    | LCS     | 4170   | 80   | 97       |     | 20171218 |
| Ammonia as N                | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.3   | 0.5  | 105      |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 111    | 5    | 91       |     | 20171218 |
| Nitrate as N                | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171218 |
| Nitrite as N                | Water  | NONE                   | 300        | LCS     | 2.34   | 0.05 | 93       |     | 20171218 |
| Phosphorus                  |        | METHOD                 | 365.3      | LCS     | 8.1    | 0.1  | 94       |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.9   | 0.5  | 108      |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 120    | 5    | 99       |     | 20171218 |
| Nitrate as N                | Water  | NONE                   | 300        | LCS     | 2.41   | 0.05 | 96       |     | 20171218 |
| Nitrite as N                | Water  | NONE                   | 300        | LCS     | 2.34   | 0.05 | 94       |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | LCS     | 25.3   | 0.5  | 106      |     | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | LCS     | 115    | 5    | 95       |     | 20171218 |
| Chlorophyll A               | Water  | NONE                   | 10200 H    | DLCS    | 4110   | 80   | 96       | 1   | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | DUP     | 12.2   | 5    |          | 7   | 20171218 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DUP     | 0.022  | 0.01 |          | 16  | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.95   | 0.5  |          | 1   | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 5.06   | 0.5  |          | 3   | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 3.33   | 0.5  |          | 3   | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | DUP     | 2.91   | 0.5  |          | 1   | 20171218 |
| Chemical Oxygen Demand      | Water  | NONE                   | 5220-C     | MS      | 116    | 13   | 103      |     | 20171218 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | MS      | 0.518  | 0.01 | 98       |     | 20171218 |
| Total Organic Carbon        | Water  | NONE                   | 5310-C     | MS      | 31.3   | 0.5  | 109      |     | 20171218 |
| Phosphorus                  | Water  | METHOD                 | 365.3      | DMS     | 0.492  | 0.01 | 93       | 5   | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <40    | 40   |          |     | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12800  | 1000 | 102      |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 10200  | 40   | 102      |     | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 25200  | 1000 |          | 3   | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 123000 | 40   |          | 2   | 20171218 |
| Total Recoverable Potassiun | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 36000  | 1000 | 100      |     | 20171218 |
| Sulfur, Total               | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 135000 | 40   | 86       |     | 20171218 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20180116 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MB      | <0.20  | 0.2  |          |     | 20180116 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.84   | 0.2  | 100      |     | 20180116 |
| Nitrogen, Total Kjeldahl    | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | LCS     | 2.76   | 0.2  | 97       |     | 20180116 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DUP     | 2.8    | 0.2  |          | 8   | 20180116 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DUP     | 4.66   | 0.2  |          | 19  | 20180116 |
|                            | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MS      | 17.5   | 0.2  | 75       |     | 20180116 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | MS      | 22.2   | 0.2  | 83       |     | 20180116 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DMS     | 21.8   | 0.2  | 96       | 25  | 20180116 |
| Nitrogen, Total Kjeldahl   | Water  | ASTM D3590-02(2006)(A) | D1426-08B  | DMS     | 22     | 0.2  | 82       | 1   | 20180116 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 268    | 10   |          | 1   | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <5.0   | 5    |          |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171205 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 404    | 20   | 94       |     | 20171205 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 441    | 10   |          | 1   | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171205 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.54   | 0.1  | 100      |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.52   | 0.1  |          | 1   | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.44   | 0.1  | 96       |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.48   | 0.1  | 98       | 2   | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171205 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171205 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171205 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 12900  | 1000 | 103      |     | 20171205 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13300  | 1000 | 107      |     | 20171205 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 0.02 | 96       |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 99       |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.9   | 0.16 | 98       |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.87   | 0.5  | 97       |     | 20171205 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171205 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171205 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171205 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171205 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.92   | 0.1  | 98       |     | 20171205 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.54   | 0.1  | 100      |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171205 |
| Total Recoverable Aluminum |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171205 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171205 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171205 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.10  | 0.1  |          |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 2660   | 50   | 106      |     | 20171205 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 103    | 1    | 103      |     | 20171205 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 96.3   | 0.05 | 96       |     | 20171205 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.1   | 0.02 | 96       |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 12.3   | 1    | 99       |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 48.9   | 0.16 | 98       |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.2   | 1    | 97       |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 1    | 98       |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.7   | 1    | 95       |     | 20171205 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.9   | 0.1  | 95       |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 24.5   | 2.5  | 98       |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 155    | 50   |          | 6   | 20171205 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 5.4    | 1    | 5        | 4   | 20171205 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 20.9   | 0.05 | 21       | 3   | 20171205 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 | 0        |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    | 3        |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 | 0        |     | 20171205 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 26.6   | 1    | 106      | 3   | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    | 3        |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    | 1        |     | 20171205 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  | 0        |     | 20171205 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  | 1        |     | 20171205 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 1190   | 50   | 104      |     | 20171205 |
| Total Recoverable Aluminun |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 105    | 1    | 100      |     | 20171205 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 116    | 0.05 | 96       |     | 20171205 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.3   | 0.02 | 93       |     | 20171205 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.9   | 1    | 95       |     | 20171205 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.2   | 0.16 | 92       |     | 20171205 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 49.1   | 1    | 93       |     | 20171205 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 24.1   | 1    | 96       |     | 20171205 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.7   | 1    | 95       |     | 20171205 |

| Analyte                  | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|--------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Silver | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.4   | 0.1  | 92       |     | 20171205 |
| Total Recoverable Zinc   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.6   | 2.5  | 98       |     | 20171205 |
| Mercury, Total           | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total           | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total           | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171205 |
| Mercury, Total           | Water  | METHOD                 | 1631       | QCS     | 4.87   | 0.5  | 97       |     | 20171205 |
| Hardness, Total          | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171205 |
| Hardness, Total          | Water  | NONE                   | 2340-B     | DUP     | 269    | 1    |          | 7   | 20171205 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Chloride                 | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Residual Chlorine  | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Color                    | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171212 |
| Nitrate as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Sulfate                  | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Turbidity Lab            | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Chloride                 | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Residual Chlorine  | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Nitrate as N             | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Sulfate                  | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids   | Water  | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171212 |
| Ammonia as N             | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171212 |
| Chloride                 | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171212 |
| Total Residual Chlorine  | Water  | NONE                   | 4500-CI G  | LCS     | 1.02   | 0.05 | 102      |     | 20171212 |
| Color                    | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171212 |
| Nitrate as N             | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 97       |     | 20171212 |
| Sulfate                  | Water  | NONE                   | 300        | LCS     | 5      | 0.1  | 100      |     | 20171212 |
| Turbidity Lab            | Water  | NONE                   | 180.1      | LCS     | 6.52   | 0.1  | 100      |     | 20171212 |
| Total Suspended Solids   | Water  | NONE                   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20171212 |
| Chloride                 | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 97       |     | 20171212 |
| Total Residual Chlorine  | Water  | NONE                   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20171212 |
| Nitrate as N             | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20171212 |
| Sulfate                  | Water  | NONE                   | 300        | LCS     | 4.99   | 0.1  | 100      |     | 20171212 |
| Total Residual Chlorine  | Water  | NONE                   | 4500-CI G  | DUP     | <0.050 | 0.05 |          | NC  | 20171212 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MS      | 0.98   | 0.05 | 98       |     | 20171212 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | DMS     | 0.98   | 0.05 | 98       | 1   | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 0.02 | 96       |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 99       |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.9   | 0.16 | 98       |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.7   | 1    | 95       |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MS      | 48.8   | 1    | 98       |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | DMS     | 49.2   | 1    | 98       | 1   | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 4.88   | 0.5  | 98       |     | 20171212 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Color                      | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     |        | NONE                   | 2540-C     | LCS     | 1570   | 10   | 96       |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.89   | 1    | 98       |     | 20171212 |
| Total Residual Chlorine    |        | NONE                   | 4500-CI G  | LCS     | 1.02   | 0.05 | 102      |     | 20171212 |
| Color                      | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171212 |
| Nitrate as N               |        | NONE                   | 300        | LCS     | 2.44   | 0.05 | 97       |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5      | 0.1  | 100      |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.52   | 0.1  | 100      |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 402    | 20   | 94       |     | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | LCS     | 4.87   | 1    | 97       |     | 20171212 |
| Total Residual Chlorine    | Water  | NONE                   | 4500-CI G  | LCS     | 0.98   | 0.05 | 98       |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.99   | 0.1  | 100      |     | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | DUP     | <1.0   | 1    |          | NC  | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | DUP     | 0.212  | 0.05 |          | 2   | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | DUP     | 1.51   | 0.1  |          | 4   | 20171212 |
| Turbidity Lab              |        | NONE                   | 180.1      | DUP     | 0.89   | 0.1  |          | 2   | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | MS      | 4.3    | 2    | 107      |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | MS      | 4.18   | 0.1  | 99       |     | 20171212 |
| Sulfate                    |        | NONE                   | 300        | MS      | 5.45   | 0.2  | 97       |     | 20171212 |
| Chloride                   | Water  | NONE                   | 300        | DMS     | 4.3    | 2    | 108      | 1   | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | DMS     | 4.22   | 0.1  | 100      | 1   | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | DMS     | 5.56   | 0.2  | 100      | 2   | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Cadmium  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171212 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171212 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 103    | 1    | 103      |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.1   | 0.02 | 96       |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 12.3   | 1    | 99       |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 48.9   | 0.16 | 98       |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.2   | 1    | 97       |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 1    | 98       |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.7   | 1    | 95       |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 24.5   | 2.5  | 98       |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.12   | 0.5  | 102      |     | 20171212 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171204 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171204 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.47   | 0.05 | 99       |     | 20171204 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 414    | 20   | 97       |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171212 |
| Ammonia as N               |        | METHOD                 | 4500-NH3 G | LCS     | 9.62   | 0.5  | 94       |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.47   | 0.05 | 99       |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.38   | 0.1  | 98       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.14   | 0.1  |          | 6   | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | 78     | 4    |          | 6   | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171212 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171212 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <1000  | 1000 |          |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171212 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13100  | 1000 | 105      |     | 20171212 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 13500  | 1000 | 108      |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.6   | 1    | 95       |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 0.02 | 94       |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 1    | 93       |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.8   | 1    | 91       |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.2   | 1    | 93       |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 2.5  | 91       |     | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 106    | 50   |          | 5   | 20171212 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 5100   | 1000 |          | 4   | 20171212 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 15700  | 1000 |          | 2   | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 1140   | 50   | 103      |     | 20171212 |
| Total Recoverable Magnesiu | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 15300  | 1000 | 100      |     | 20171212 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 25700  | 1000 | 97       |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171212 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.12   | 0.5  | 102      |     | 20171212 |
|                            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171212 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 167    | 1    |          | 3   | 20171212 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171212 |
| Sulfate as SO4             | Water  | NONE                   | 200.7 (W)  | DUP     | 53.1   | 1    |          | 2   | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1620   | 10   | 99       |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.66   | 0.5  | 95       |     | 20171212 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.47   | 0.05 | 99       |     | 20171212 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 4.93   | 0.1  | 99       |     | 20171212 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 6.38   | 0.1  | 98       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.44   | 0.1  |          | 1   | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.47   | 0.1  | 102      |     | 20171212 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.45   | 0.1  | 101      | 1   | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171212 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 2660   | 50   | 106      |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 94.6   | 1    | 95       |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.5   | 0.02 | 94       |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.6   | 1    | 93       |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.2   | 0.16 | 94       |     | 20171212 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.8   | 1    | 91       |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.2   | 1    | 93       |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 46.2   | 1    | 92       |     | 20171212 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.4   | 0.1  | 92       |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 2.5  | 91       |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 4.3    | 1    |          | 18  | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.020 | 0.02 |          |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 19.2   | 1    |          | 3   | 20171212 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171212 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.10  | 0.1  |          |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171212 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 93.4   | 1    | 90       |     | 20171212 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.4   | 0.02 | 93       |     | 20171212 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.4   | 1    | 91       |     | 20171212 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.1   | 0.16 | 92       |     | 20171212 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 41.8   | 1    | 88       |     | 20171212 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.4   | 1    | 90       |     | 20171212 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 46.7   | 1    | 93       |     | 20171212 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.3   | 0.1  | 90       |     | 20171212 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 22.5   | 2.5  | 90       |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |     | 20171212 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.12   | 0.5  | 102      |     | 20171212 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1510   | 10   | 92       |     | 20171212 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 428    | 20   | 100      |     | 20171212 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |     | 20171211 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | MB      | <4.0   | 4    |          |     | 20171211 |
|                            | Water  | NONE                   | 2540-C    | LCS     | 1510   | 10   | 92       |     | 20171211 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | LCS     | 428    | 20   | 100      |     | 20171211 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 413    | 10   |          | 2   | 20171211 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | DUP     | <4.0   | 4    |          | NC  | 20171211 |
|                            | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171207 |
| Chloride                   | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171207 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171207 |
| Sulfate                    | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171207 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171207 |
|                            | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.6    | 0.5  | 94       |     | 20171207 |
|                            | Water  | NONE                   | 300        | LCS     | 4.9    | 1    | 98       |     | 20171207 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171207 |
| Sulfate                    | Water  | NONE                   | 300        | LCS     | 5.09   | 0.1  | 102      |     | 20171207 |
|                            | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20171207 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DUP     | 1.41   | 0.1  |          | 1   | 20171207 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MS      | 3.43   | 0.1  | 101      |     | 20171207 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | DMS     | 3.41   | 0.1  | 100      | 1   | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MB      | <50    | 50   |          |     | 20171207 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.050 | 0.05 |          |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.16  | 0.16 |          |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.10  | 0.1  |          |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <2.5   | 2.5  |          |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | LCS     | 1040   | 50   | 104      |     | 20171207 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.4   | 1    | 92       |     | 20171207 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 91.7   | 0.05 | 92       |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.6   | 0.02 | 94       |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.7   | 1    | 93       |     | 20171207 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.4   | 0.16 | 95       |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.5   | 1    | 90       |     | 20171207 |
|                            | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.9   | 1    | 92       |     | 20171207 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 47.5   | 1    | 95       |     | 20171207 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 11.4   | 0.1  | 91       |     | 20171207 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.1   | 2.5  | 93       |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | DUP     | 90     | 50   |          | 1   | 20171207 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 3.8    | 1    |          | 12  | 20171207 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 18     | 0.05 |          | 1   | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.020 | 0.02 |          |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.16  | 0.16 |          |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | 17.9   | 1    |          | 1   | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <0.10  | 0.1  |          |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | DUP     | <2.5   | 2.5  |          |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W)  | MS      | 491    | 50   | 100      |     | 20171207 |
| Total Recoverable Aluminun | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 95.5   | 1    | 91       |     | 20171207 |
| Total Recoverable Barium   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 114    | 0.05 | 96       |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24     | 0.02 | 96       |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.9   | 1    | 95       |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 46.6   | 0.16 | 93       |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 41.1   | 1    | 92       |     | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.4   | 1    | 94       |     | 20171207 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.7   | 1    | 97       |     | 20171207 |
| Total Recoverable Silver   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 11.6   | 0.1  | 93       |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23.6   | 2.5  | 94       |     | 20171207 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total             | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total             | Water  | METHOD                 | 1631       | QCS     | 5.27   | 0.5  | 105      |     | 20171207 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171207 |
| Hardness, Total            | Water  | NONE                   | 2340-B     | DUP     | 259    | 1    |          | 5   | 20171207 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171207 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171207 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171207 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.6    | 0.5  | 94       |     | 20171207 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171207 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | LCS     | 7.1    | 0.1  | 109      |     | 20171207 |
| Turbidity Lab              | Water  | NONE                   | 180.1      | DUP     | 0.24   | 0.1  |          | 22  | 20171207 |

| Analyte                    | Matrix | Prep                   | Method    | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|-----|----------|
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |     | 20171207 |
| Total Recoverable Magnesi  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171207 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <1000  | 1000 |          |     | 20171207 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 1040   | 50   | 104      |     | 20171207 |
| Total Recoverable Magnesi  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5100   | 1000 | 101      |     | 20171207 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 5200   | 1000 | 104      |     | 20171207 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.4   | 1    | 92       |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.6   | 0.02 | 94       |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 1    | 93       |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.4   | 0.16 | 95       |     | 20171207 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.5   | 1    | 90       |     | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 1    | 92       |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 2.5  | 93       |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 109    | 50   |          | 4   | 20171207 |
| Total Recoverable Magnesi  | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 5100   | 1000 |          | 2   | 20171207 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | DUP     | 17400  | 1000 |          | 1   | 20171207 |
| Total Recoverable Aluminur | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 9      | 1    |          | 1   | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 0.028  | 0.02 |          |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <0.16  | 0.16 |          |     | 20171207 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 25.8   | 1    |          | 3   | 20171207 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <1.0   | 1    |          |     | 20171207 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | <2.5   | 2.5  |          |     | 20171207 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 511    | 50   | 100      |     | 20171207 |
| Total Recoverable Magnesi  |        | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 8500   | 1000 | 83       |     | 20171207 |
| Total Recoverable Sodium   | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MS      | 21000  | 1000 | 93       |     | 20171207 |
| Total Recoverable Aluminur |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 100    | 1    | 91       |     | 20171207 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 23.2   | 0.02 | 93       |     | 20171207 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 11.8   | 1    | 94       |     | 20171207 |

| Analyte                   | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|---------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Lead    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 45.4   | 0.16 | 91       |     | 20171207 |
| Total Recoverable Mangane | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 48.4   | 1    | 94       |     | 20171207 |
| Total Recoverable Nickel  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 23     | 1    | 92       |     | 20171207 |
| Total Recoverable Zinc    | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MS      | 24.3   | 2.5  | 97       |     | 20171207 |
| Mercury, Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total            | Water  | METHOD                 | 1631       | MB      | <1     | 1    |          |     | 20171207 |
| Mercury, Total            | Water  | METHOD                 | 1631       | QCS     | 5.27   | 0.5  | 105      |     | 20171207 |
| Hardness, Total           | Water  | NONE                   | 2340-B     | MB      | <1     | 1    |          |     | 20171207 |
| Hardness, Total           | Water  | NONE                   | 2340-B     | DUP     | 170    | 1    |          | 1   | 20171207 |
| Sulfate as SO4            | Water  | NONE                   | 200.7 (W)  | MB      | <1     | 1    |          |     | 20171207 |
| Sulfate as SO4            | Water  | NONE                   | 200.7 (W)  | DUP     | 56.7   | 1    |          | 1   | 20171207 |
| Total Dissolved Solids    | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171213 |
| Ammonia as N              | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171213 |
| Chloride                  | Water  | NONE                   | 300        | MB      | <1.0   | 1    |          |     | 20171213 |
| Total Residual Chlorine   | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171213 |
| Color                     | Water  | NONE                   | 2120-B     | MB      | <5.0   | 5    |          |     | 20171213 |
| Nitrate as N              | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171213 |
| Sulfate                   | Water  | NONE                   | 300        | MB      | <0.10  | 0.1  |          |     | 20171213 |
| Turbidity Lab             | Water  | NONE                   | 180.1      | MB      | <0.10  | 0.1  |          |     | 20171213 |
| Total Dissolved Solids    | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171213 |
| Total Residual Chlorine   | Water  | NONE                   | 4500-CI G  | MB      | <0.050 | 0.05 |          |     | 20171213 |
| Total Suspended Solids    | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171213 |
| Total Dissolved Solids    | Water  | NONE                   | 2540-C     | LCS     | 1560   | 10   | 95       |     | 20171213 |
| Ammonia as N              | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.67   | 0.5  | 95       |     | 20171213 |
| Chloride                  | Water  | NONE                   | 300        | LCS     | 4.91   | 1    | 98       |     | 20171213 |
| Total Residual Chlorine   | Water  | NONE                   | 4500-CI G  | LCS     | 0.92   | 0.05 | 92       |     | 20171213 |
| Color                     | Water  | NONE                   | 2120-B     | LCS     | 15     | 5    | 100      |     | 20171213 |
| Nitrate as N              | Water  | NONE                   | 300        | LCS     | 2.43   | 0.05 | 97       |     | 20171213 |
| Sulfate                   | Water  | NONE                   | 300        | LCS     | 4.98   | 0.1  | 100      |     | 20171213 |
| Turbidity Lab             | Water  | NONE                   | 180.1      | LCS     | 7.09   | 0.1  | 109      |     | 20171213 |
| Total Suspended Solids    | Water  | NONE                   | 2540-D     | LCS     | 410    | 20   | 96       |     | 20171213 |
| Total Residual Chlorine   | Water  | NONE                   | 4500-CI G  | LCS     | 0.86   | 0.05 | 86       |     | 20171213 |
| Total Dissolved Solids    | Water  | NONE                   | 2540-C     | DUP     | 498    | 10   |          | 6   | 20171213 |
| Color                     | Water  | NONE                   | 2120-B     | DUP     | 10     | 5    |          | 1   | 20171213 |
| Turbidity Lab             | Water  | NONE                   | 180.1      | DUP     | 0.35   | 0.1  |          | 10  | 20171213 |

| Analyte                    | Matrix |                        | Method    | QC Type | Result | MRL  | Recovery |    | Date     |
|----------------------------|--------|------------------------|-----------|---------|--------|------|----------|----|----------|
| Total Suspended Solids     | Water  | NONE                   | 2540-D    | DUP     | <4.0   | 4    |          | NC | 20171213 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | MB      | <50    | 50   |          |    | 20171213 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171213 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.020 | 0.02 |          |    | 20171213 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171213 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <0.16  | 0.16 |          |    | 20171213 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171213 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171213 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171213 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <2.5   | 2.5  |          |    | 20171213 |
| Total Recoverable Iron     | Water  | EPA CLP-METALS ILM04.0 | 200.7 (W) | LCS     | 1040   | 50   | 104      |    | 20171213 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 92.4   | 1    | 92       |    | 20171213 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.6   | 0.02 | 94       |    | 20171213 |
| Total Recoverable Copper   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 11.7   | 1    | 93       |    | 20171213 |
| Total Recoverable Lead     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.4   | 0.16 | 95       |    | 20171213 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.5   | 1    | 90       |    | 20171213 |
| Total Recoverable Nickel   | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 22.9   | 1    | 92       |    | 20171213 |
| Total Recoverable Selenium | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 47.5   | 1    | 95       |    | 20171213 |
| Total Recoverable Zinc     | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.1   | 2.5  | 93       |    | 20171213 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |    | 20171213 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |    | 20171213 |
| Mercury, Total             | Water  | METHOD                 | 1631      | MB      | <1     | 1    |          |    | 20171213 |
| Mercury, Total             | Water  | METHOD                 | 1631      | QCS     | 5.66   | 0.5  | 113      |    | 20171213 |
| Hardness, Total            | Water  | NONE                   | 2340-B    | MB      | <1     | 1    |          |    | 20171213 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | MB      | <1.0   | 1    |          |    | 20171215 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | LCS     | 23.4   | 1    | 93       |    | 20171215 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W) | DUP     | 25.4   | 1    |          | 3  | 20171215 |
| Total Recoverable Mangane  |        | EPA CLP-METALS ILM04.0 | 200.8 (W) | MS      | 47.7   | 1    | 92       |    | 20171215 |
|                            | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |    | 20180103 |
| Sulfate                    | Water  | NONE                   | 300       | MB      | <0.10  | 0.1  |          |    | 20180103 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | MB      | <10    | 10   |          |    | 20180103 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C    | LCS     | 1570   | 10   | 96       |    | 20180103 |
| Sulfate                    | Water  | NONE                   | 300       | LCS     | 4.95   | 0.1  | 99       |    | 20180103 |
| Sulfate                    | Water  | NONE                   | 300       | DUP     | 3.07   | 0.2  |          | 1  | 20180103 |
| Sulfate                    | Water  | NONE                   | 300       | MS      | 10.7   | 0.4  | 95       |    | 20180103 |
| Sulfate                    | Water  | NONE                   | 300       | DMS     | 10.8   | 0.4  | 96       | 1  | 20180103 |

| Analyte                    | Matrix | Prep                   | Method     | QC Type | Result | MRL  | Recovery | RPD | Date     |
|----------------------------|--------|------------------------|------------|---------|--------|------|----------|-----|----------|
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180103 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <0.020 | 0.02 |          |     | 20180103 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | MB      | <1.0   | 1    |          |     | 20180103 |
| Total Recoverable Aluminum | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 92.4   | 1    | 92       |     | 20180103 |
| Total Recoverable Cadmium  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 23.6   | 0.02 | 94       |     | 20180103 |
| Total Recoverable Mangane  | Water  | EPA CLP-METALS ILM04.0 | 200.8 (W)  | LCS     | 22.5   | 1    | 90       |     | 20180103 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | MB      | <10    | 10   |          |     | 20171214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | MB      | <4.0   | 4    |          |     | 20171214 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | LCS     | 1610   | 10   | 98       |     | 20171214 |
| Total Suspended Solids     | Water  | NONE                   | 2540-D     | LCS     | 418    | 20   | 97       |     | 20171214 |
| Total Dissolved Solids     | Water  | NONE                   | 2540-C     | DUP     | 303    | 10   |          | 2   | 20171214 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | MB      | <0.10  | 0.1  |          |     | 20171218 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Nitrate as N               | Water  | NONE                   | 300        | MB      | <0.050 | 0.05 |          |     | 20171218 |
| Ammonia as N               | Water  | METHOD                 | 4500-NH3 G | LCS     | 9.52   | 0.5  | 93       |     | 20171218 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 97       |     | 20171218 |
| Nitrate as N               | Water  | NONE                   | 300        | LCS     | 2.44   | 0.05 | 98       |     | 20171218 |

## Appendix D

| 0   | Y EVALUATION                       | Date 5/3//17                      | Data Collector(s) | STON   |
|---|------------------------------------|-----------------------------------|-------------------|--|
| Location Name:  |                                    | Photographs taken:                | 3                 |  |
| PLOT 1  |                                    | (circle one)                      | (                 |  |
| Aspect  | Slope (degree):                    | Photograph notes:                 |                   |  |
| Comments:   |                                    |                                   |                   |  |
| EROSION FEATURE   | POTENTIALLY PRESENT<br>(Yes or No) | IDENTIFIED FACTORS                | POSSIBLE FACTOR   | Procedure: (refer to Erosion Condition Classification System publication if needed)  |
| Soil Movement   | Yall                               | W                                 | 14                | Observe the total sample area and determine the average condition.     Determine if each item is potentially present.                                      |
| Surface Litter  |                                    | 0                                 | 14                | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). |
| Surface Rock Fragments  |                                    | 6                                 | 14                | For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature.        |
| Pedestals   | <                                  | 0                                 | 14                | 4) Total both the weighted values and the possible values.  A) Colories the Total percent SSE: (identified   |
| Flow Patterns   |                                    | 'n                                | 15                | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below.   |
| Rills   | `                                  | $\bigcirc$                        | 14                | <u>SSF Range</u> <u>Class</u><br>1-20% Stable<br>21-40% Slight   |
| Gullies   | 4                                  | )                                 | Ď                 | 0  |
| TOTAL   |                                    | 12                                | } 0D              | SSF % and Class:  12 90  5 TABLE   |
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | ude information on width, depth,   | , uniformity, number per m² or he | eight):           | ENVIRONMENTAL, LLC   |

Kensington Gold Project Long-Term Care and Maintenance Plan

| Data Collector(s): | lector(s)                | -                    | P. 10105.            |                       |                      |                          |                       | 2                    | - /0/ \ A            |            |
|--------------------|--------------------------|----------------------|----------------------|-----------------------|----------------------|--------------------------|-----------------------|----------------------|----------------------|------------|
| Vegetation         | tion                     |                      |                      |                       |                      |                          |                       |                      | Clobe( w)/Aspect.    | pect.      |
|                    |                          | Re                   | Reclamation          | Trial                 |                      |                          | 20                    | Reference Site       | Site                 |            |
|                    | Total<br>Foliar<br>Cover | Species 1/<br>%Cover | Species 2/<br>%Cover | Species 3/<br>% Cover | Species 4/<br>%Cover | Total<br>Foliar<br>Cover | Species 1/<br>% Cover | Species 2/<br>%Cover | Species 3/<br>%Cover | Species 4/ |
| Grass              | W                        |                      |                      |                       |                      |                          |                       |                      |                      |            |
| Forb               | - str                    |                      |                      |                       |                      |                          |                       |                      |                      |            |
| Shrub              |                          |                      |                      |                       |                      |                          |                       |                      |                      |            |
| Total              | H                        |                      | ı                    | 1                     | 1.                   |                          | 1                     | 1                    | 1                    | 1          |
| Weed               |                          |                      |                      |                       |                      |                          |                       |                      |                      |            |
| Cover<br>Crop      | \                        | l                    | 1                    | 1                     | 1                    | 1                        | ł                     | I                    | 1                    | 1          |
| Rock               | 22                       | 1                    | 1                    | _                     | ı                    |                          | Ĵ,                    | 1                    | 1                    | 1          |
| Litter             | \                        | 1                    | 1                    | L                     | 1                    |                          | 1                     | 1                    | J                    | 1          |
| Bare<br>Ground     | 6                        | 1                    | 1                    | 1                     | 1                    |                          | 1                     | Į                    | 1                    | 1          |
|                    | Other Species:<br>Grass  | ecies:               |                      |                       |                      | Other Species:<br>Grass  | ecies:                |                      | è                    |            |
|                    | Forb                     |                      |                      |                       |                      | Forb                     |                       |                      |                      |            |
|                    | Shrub                    |                      |                      |                       |                      | Shrub                    |                       |                      |                      |            |
|                    | Weed                     |                      |                      |                       |                      | Wood                     |                       |                      |                      |            |

| SURFACE STABILITY EVALUATION | YEVALUATION     | Date 5/31/17       | Data Collector(s) | P. STROW |  |
|------------------------------|-----------------|--------------------|-------------------|----------|--|
| Location Name:               |                 | Photographs taken: | 3                 | Z        |  |
| シーラー                         |                 |                    |                   |          |  |
| 77000                        |                 | (circle one)       | •                 |          |  |
| Aspect                       | Slope (degree): | Photograph notes:  |                   |          |  |
|                              |                 |                    |                   |          |  |
| Comments:                    |                 |                    |                   |          |  |
|                              |                 |                    |                   |          |  |
|                              |                 |                    |                   |          |  |

|  |   |  |  |   |   | 372   |  |   | 10 ° 6 '  |
|--|---|--|--|---|---|---|--|---|---|
| <b>Comments</b> (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL   | Gullies  | Rills  | Flow Patterns   | Pedestals   | Surface Rock Fragments  | Surface Litter   | Soil Movement   | EROSION FEATURE   |
| ude information on width, depth,   |   | 2  | ~  | _   | <u></u>   | 7   | 7  | ~   | POTENTIALLY PRESENT<br>(Yes or No)  |
| uniformity, number per m² or he  | 17  |  | 0  | W   | 6   | <i>N</i>  | 8  | W   | IDENTIFIED FACTORS  |
| sight):  | 100   | 15   | 14   | 15  | 14  | 14  | 14   | 14  | POSSIBLE FACTOR   |
| KC HARVEY<br>ENVIRONMENTAL, LLC  | SSF % and Class: $(7 \frac{1}{2})^{\circ}$ STABLE | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range Class<br>1-20% Stable<br>21-40% Slight | factors / possible factors) x 100  6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.     Determine if each item is potentially present. | Procedure: (refer to Erosion Condition Classification System publication if needed) |

Kensington Gold Project Long-Term Care and Maintenance Plan

| Vegetation              | Data Collector(s): | Site Name: PLBT 2 | ENVIRONMENTAL, LLC     | KC HARVEY |
|-------------------------|--------------------|-------------------|------------------------|-----------|
| Transfer (10); salabas; | Slope(%)/Aspect:   | Date: 5/3//17     | Qualitative Monitoring |           |

| Relat   |      |       |      |                         | ନ୍ଦ୍ର          | -        | Ι_     | 0.0                    | <       | Γ.    | (2)   | Γ_   | 0            | T                      |                       |
|---|------|-------|------|-------------------------|----------------|----------|--------|------------------------|---------|-------|-------|------|--------------|------------------------|-----------------------|
| ive %   |      |       |      |                         | Bare<br>Ground | Litter   | Rock   | Crop                   | Weed    | Total | Shrub | Forb | Grass        |                        |                       |
| Relative % Cover_   | Weed | Shrub | Forb | Other Species:<br>Grass | 69             | 9.       | 2      | 1                      | 1       | 0     | \     | (    | 6            | Foliar                 |                       |
|   |      |       |      | ecies:                  |                | to agen  | -      |                        |         |       |       |      |              | Species 1/<br>%Cover   | Re                    |
| (Disturbe   |      |       |      |                         | - 1            | ı        |        | 1                      |         | 1     |       |      |              | Species 2/<br>%Cover   | Reclamation Trial     |
| ed Total (G   |      |       |      |                         | 1              |          | -      | ŧ                      |         | Ē     |       |      |              | Species 3/<br>% Cover  | Trial                 |
| rass+Forb-  |      |       |      |                         | I              | 1        | 1      | 1                      |         | ŀ     |       |      |              | Species 4/<br>% Cover  |                       |
| +Shrub))  | Weed | Shrub | Forb | Other Species:<br>Grass |                |          |        | 1                      |         |       |       |      |              | Foliar<br>Cover        |                       |
| (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub)) |      |       |      | ecies:                  | ì              | ı        |        | 1                      |         | 1     |       |      |              | Species 1/<br>% Cover  | R                     |
| ed Total (C   |      |       |      |                         | 1              | ı        | -      | -                      |         | -     |       |      |              | Species 2/<br>% Cover  | Reference Site        |
| ∋rass+Forb  |      |       |      |                         | 1              | l        | ı      | ı                      |         | 1     |       |      |              | Species 3/<br>%Cover   | Site                  |
| +Shrub))  |      |       |      |                         | -              |          | 1      |                        |         | ****  |       |      |              | Species 4/<br>%Cover   |                       |
|   |      |       |      | ☐ Heavy 60-100%         | □ Low 5-40%    | Severity | □ Both | ☐ Wildlife ☐ Livestock | Grazino | Fiber | Mulch |      | Canopy Cover | Methods Seedling Count | Additional Monitoring |
|   |      |       |      | 20%                     | 000            |          |        |                        |         |       |       | DAY. | □Yes         | UYes                   | nitoring              |

|       | SURFACE STABILITY EVALUATION |                 | Date 5/3/117       | Data Collector(s) | P. STROW |   |
|-------|------------------------------|-----------------|--------------------|-------------------|----------|---|
| all g | Location Name:               |                 | Photographs taken: | N                 | Z        |   |
|       | PLOT 3                       |                 |                    |                   |          |   |
| 4-    |                              |                 | (circle one)       |                   |          |   |
|       | Aspect:                      | Slope (degree): | Photograph notes:  |                   |          | , |
|       |                              |                 |                    |                   |          |   |
| 0     | Comments:                    |                 |                    |                   |          |   |
|       |                              |                 |                    | 22                |          |   |
|       |                              |                 |                    |                   |          |   |

| 1         |  |   |   |  | 273   |   |  | 404  |
|-----------|--|---|---|--|---|---|--|--|
| TOTAL     | iullies  | ills  | low Patterns  | odestals   | Surface Rock Fragments  | Surface Litter  | Soil Movement  | EROSION FEATURE  |
|           |  | <   | -   | <  |   |   | 4  | POTENTIALLY PRESENT<br>(Yes or No)   |
| 2 2       | W  | 3   |   | 8  | 2   | 8   | W  | IDENTIFIED FACTORS   |
| 901       | 15   | 14  | 15  | 14   | 14  | 14  | 14   | POSSIBLE FACTOR  |
| 23% SUBHT | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range Class<br>1-20% Stable<br>21-40% Slight    | factors / possible factors) x 100  - 6) Write the total percent and corresponding condition class in the box below. | <ul><li>4) Total both the weighted values and the possible values.</li><li>5) Calculate the Total percent SSF: (identified)</li></ul>  | <ol> <li>For items potentially present, review the Erosion<br/>Condition Class (Soil Surface Factor) sheet and<br/>assign a numerical value to each erosion feature.</li> </ol> | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present).  | <ol> <li>Observe the total sample area and determine the<br/>average condition.</li> <li>Determine if each item is potentially present.</li> </ol>   | Procedure: (refer to Erosion Condition Classification System publication if needed)  |
|           | 23 100   | 15 41-60%<br>61-80%<br>81-100%<br>23 100 23% 561647 | TOTAL  1 3 14 1-20% 21-40% 41-60% 61-80% 81-100% SSF % and Class: 7 3 5 100 7 3 5 5 1647                            | Patterns         15         factors / possible factors) x 100           6) Write the total percent and correst on the box below.         SSF Range 1-20% 21-40% 41-60% 61-80% 61-80% 81-100%           8         15         SSF % and Class:           8         23 % 56/647 | Patterns  | Surface Rock Fragments         14           Pedestals         1           Flow Patterns         1           Rills         1           Gullies         1           TOTAL         2           16           15           15           15           15           15           15           15           15           16           2         100 | Surface Litter         Y         Z         14           Surface Rock Fragments         Y         Z         14           Pedestals         Y         Z         14           Flow Patterns         Y         Z         15           Rills         Y         Z         15           Guillies         Y         Z         15           TOTAL         Z         100 | Soil Movement         3         14           Surface Litter         4         3         14           Surface Rock Fragments         1         2         14           Pedestals         1         3         14           Flow Patterns         1         3         15           Rills         3         14           Gullies         3         15           TOTAL         2         100 |

Kensington Gold Project Long-Term Care and Maintenance Plan

ENVIRONMENTAL, LLC

## KC HARVEY ENVIRONMENTAL, LLC

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| Site Name:     | ie:                     | 50         | W                 |            |            |                         |   |             |                  | Date:      | 5/3/17                 |
|----------------|-------------------------|------------|-------------------|------------|------------|-------------------------|---|-------------|------------------|------------|------------------------|
| Data Col       | Data Collector(s):      | 0          | STROW             |            |            |                         |   | S           | Slope(%)/Aspect: | pect:      |                        |
| Vegetation     | tion                    |            |                   |            |            |                         |   |             |                  |            |                        |
|                |                         | Re         | Reclamation Trial | Trial      |            |                         | 70  | Reference ( | Site             |            | Additional Monitoring  |
|                | Total                   | Species 1/ | Species 2/        | Species 3/ | Species M  | Total                   | Spaciac 1/  | Species 3/  | Charles 31       | enacios Al |                        |
|                | Cover                   | % Cover    | %Cover            | % Cover    | %Cover     | Cover                   |   | % Cover     | %Cover           | %Cover     | Seedling Count Lives   |
| Grass          | 12                      |            |                   |            |            |                         |   |             |                  |            | Canopy Cover           |
| Forb           | 7                       |            | 8                 |            |            |                         |   |             |                  |            |                        |
| Shrub          | \                       |            |                   |            |            |                         |   |             |                  |            | NUCL                   |
| Total          | 24                      | 1          | 1                 | ŧ          |            |                         |   | 1           | L                |            | Fiber                  |
| Weed           | 9                       |            |                   |            |            |                         |   |             |                  |            | Grazing                |
| Gover          | \                       |            | 1                 | Ē          | •          | ootaa                   | 4-11  | 1           | 1                | 1          | ☐ Wildlife ☐ Livestock |
| Rock           | 25                      | -          | 1                 | I          | 1          |                         | 1   | ı           | ı                | ı          | Both                   |
| Litter         | 700                     | ı          | ı                 | ı          | 1          |                         | 1   | I           | l                |            | Severity               |
| Bare<br>Ground | 50                      | -          | -                 | -          | ı          |                         | 1   | 1           | 1                | 1          | Dow 5-40%              |
|                | Other Species:<br>Grass | ecies:     |                   |            |            | Other Species:<br>Grass | ecies:  |             |                  |            | ☐ Heavy 60-100%        |
|                | Forb                    |            |                   |            |            | Forb                    |   |             |                  |            |                        |
|                | Shrub                   |            |                   |            |            | Shrub                   |   |             |                  |            | ¥.                     |
|                | Weed                    |            |                   |            |            | Weed                    |   |             |                  |            |                        |
| ative % Cover  | Cover                   | 24         | (Disturbe         | d Total (G | rass+Forb- | -Shrub))                | (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub)) | ed Total (G | rass+Forb        | +Shrub))   |                        |

|   |                  |  |  |  |   | Site   | Stabili  | ization  | Data  |           |                   | ite Data       |                              |
|---|------------------|--|--|--|---|--|--|--|---|-----------|-------------------|----------------|------------------------------|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL            | Gullies  | Rills  | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement  | EROSION FEATURE   | Comments: | Aspect:           | Plot I (North) | SURFACE STABILITY EVALUATION |
| clude information on width, depth   |                  | ی  | ک  | Œ  | C   | LS   | ی  | S  | POTENTIALLY PRESENT<br>(Yes or No)  |           | Slope (degree):   |                |                              |
| ı, uniformity, number per m² or h   | 19               | W  | 7  | _  | لئ  | M  | W  | 2  | IDENTIFIED FACTORS  |           | Photograph notes: | ,,             | Date 7/28/17                 |
| eight):   | 100              | 15   | 14   | 15   | 14  | 14   | 14   | 14   | POSSIBLE FACTOR   |           |                   | N              | Data Collector(s) M. Arnold  |
| KC HARVEY<br>ENVIRONMENTAL, LLC   | SSF % and Class: | 41-50% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range         Class           1-20%         Stable           21-40%         Slight | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | <ol> <li>Observe the total sample area and determine the average condition.</li> <li>Determine if each item is potentially present.</li> </ol> | Procedure: (refer to Erosion Condition Classification System publication if needed) |           |                   |                | traced                       |

| Sito Namo.         |                          | ピート                  | こでナー                 |                       |                       |                        |   |                       |                       | 7          | 1/36/17                     |
|--------------------|--------------------------|----------------------|----------------------|-----------------------|-----------------------|------------------------|---|-----------------------|-----------------------|------------|-----------------------------|
| Data Collector(s): | 4                        | 3                    | Arneta               | 3                     |                       |                        |   | S                     | Slope(%)/Aspect:      | pect:      |                             |
| Vegetation         | tion                     |                      |                      |                       |                       |                        |   |                       |                       |            |                             |
|                    |                          | Re                   | Reclamation Trial    | Trial                 |                       |                        | Z)  | Reference Site        | Site                  |            | Additional Monitoring       |
|                    | Total<br>Foliar<br>Cover | Species 1/<br>%Cover | Species 2/<br>%Cover | Species 3/<br>% Cover | Species 4/<br>% Cover | Foliar<br>Cover        | Species 1/<br>% Cover   | Species 2/<br>% Cover | Species 3/<br>% Cover | Species 4/ | Methods Seedling Count □Yes |
| Grass              | V                        |                      |                      |                       |                       |                        |   |                       |                       |            | Canopy Cover Tyes           |
| Forb               | 0                        |                      |                      |                       |                       |                        |   |                       |                       |            |                             |
| Shrub              | 0                        |                      |                      |                       |                       |                        |   |                       |                       |            | Mulch                       |
| Total              | 5                        | -                    | 1                    | 1                     |                       |                        | 1   | X                     | 1                     | 1          | Fiber                       |
| Weed               | 0                        |                      |                      |                       |                       |                        |   |                       |                       |            | Grazing                     |
| Cover<br>Crop      | 5                        | I                    | ı                    |                       | l                     | 1                      | -   |                       |                       | 1          | ☐ Wildlife<br>☐ Livestock   |
| Rock               | 55                       | -                    | 1                    | I                     | ı                     |                        | /   | 1                     | -                     | i          | □ Both                      |
| Litter             | _                        | -                    | ļ                    |                       | ı                     |                        | -   | 1                     |                       |            | Severity                    |
| Bare<br>Ground     | 39                       |                      | 1                    | 1                     | ı                     |                        | 1   | 1                     | 1                     | -          | ☐ Low 5-40%                 |
|                    | Other Species<br>Grass   | ecies:               |                      |                       |                       | Other Species<br>Grass | ecies:  |                       |                       |            | ☐ Heavy 60-100%             |
|                    | Forb                     |                      |                      |                       |                       | Forb                   |   |                       |                       |            |                             |
|                    | Shrub                    |                      | 3000                 |                       |                       | Shrub                  |   |                       |                       |            |                             |
|                    | Weed                     |                      |                      |                       |                       | Weed                   |   |                       |                       |            |                             |
| Relative % Cover   | Cover                    |                      | _ (Disturb           | ed Total (G           | rass+Forb             | +Shrub))               | (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub)) | ed Total (            | 3rass+Fork            | )+Shrub))  |                             |

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|   |                  |  |  |  |   | Site   | Stabili  | zation   | Data   |
|---|------------------|--|--|--|---|--|--|--|--|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL            | Gullies  | Rills                                      | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement  | EROSION FEATURE  |
| slude information on width, depth   |                  | PAD<br>S   | ی  | S  | Œ   | 15   | ی  | Y  | POTENTIALLY PRESENT<br>(Yes or No)   |
| , uniformity, number per m² or h  | 18               | 0  | W  | 2  | W   | 2  | W  | 2  | IDENTIFIED FACTORS   |
| eight):   | 100              | 15   | 14   | 15   | 14  | . 14   | 14   | 14   | POSSIBLE FACTOR  |
| KC HARVEY   | SSF % and Class: | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range Class 1-20% Stable 21-40% Slight | factors / possible factors) x 100<br>6) Write the total percent and corresponding<br>condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | <ol> <li>Observe the total sample area and determine the<br/>average condition.</li> <li>Determine if each item is potentially present.</li> </ol> | Procedure: (refer to Erosion Condition Classification  System publication if needed) |

ENVIRONMENTAL, LLC

| ENVIRONN Site Name: Y Data Collecto Vegetation | KC HARVEENVIRONMENTAL, Site Name: Plot 7 Data Collector(s): M. Vegetation  Total |                      | (middle) Arno-Ca  Reclamation Trial | Trial                |                      | 108                      |  | Reference :          | Slope(%)/Aspect:     | Qualitative Monitoring  Date: 7/28/17  pect:  Additional Monitori  Methods |
|--|--|----------------------|-------------------------------------|----------------------|----------------------|--------------------------|--|----------------------|----------------------|--|
|  | Total<br>Foliar<br>Cover   | Species 1/<br>%Cover | Species 2/<br>%Cover                | Species 3/<br>%Cover | Species 4/<br>%Cover | Total<br>Foliar<br>Cover | Species 1/<br>% Cover  | Species 2/<br>%Cover | Species 3/<br>%Cover | Species 4/   |
| Grass  | a  |                      |                                     |                      |                      |                          |  |                      |                      |  |
| Forb   | 0  |                      |                                     |                      |                      |                          |  |                      |                      |  |
| Shrub  | 应  |                      |                                     |                      |                      |                          |  |                      |                      |  |
| Total  | 5  |                      | 1                                   |                      | 1                    |                          | 1  | X                    | 1                    | 1  |
| Weed   | 0  |                      |                                     |                      |                      |                          |  |                      |                      |  |
| Cover<br>Crop                                  | 15   | -                    | ı                                   | ı                    | ı                    | 1                        | V  | -                    | 1                    |  |
| Rock   | 35   |                      | 1                                   | -                    | -                    |                          | /-   | 1                    | -                    | i  |
| Litter   | 7  | a-a-a-a-             | 1                                   |                      | I                    |                          | ı  | 1                    | ı                    |  |
| Bare<br>Ground                                 | 17   | -                    | ı                                   | -                    | 1                    |                          | 1  | 1                    | ١                    | j  |
|  | Other Species:<br>Grass  | ecies:               |                                     |                      |                      | Other Species:<br>Grass  | ecies:   |                      |                      |  |
|  | Forb   |                      |                                     |                      |                      | Forb                     |  |                      |                      |  |
|  | Shrub  |                      |                                     |                      |                      | Shrub                    |  |                      |                      |  |
|  | Weed   |                      |                                     |                      |                      | Weed                     |  |                      |                      |  |
| Relative % Cover                               | Cover  |                      | _ (Disturb                          | ed Total (G          | irass+Forb           | +Shrub)                  | (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub) | ped Total (          | Grass+Fort           | +Shrub))   |

|   |                         |  |  |  |   | Site   | Stabil   | ization  | Data  |           | S                 | ite Data                        |                              |
|---|-------------------------|--|--|--|---|--|--|--|---|-----------|-------------------|---------------------------------|------------------------------|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL                   | Gullies  | Rills  | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement  | EROSION FEATURE   | Comments: | Aspect            | Plot 3 (South)                  | SURFACE STABILITY EVALUATION |
| llude information on width, dept  |                         | ک  | ع  | ک  | 2   | LE   | 25   | IS   | POTENTIALLY PRESENT<br>(Yes or No)  |           | Slope (degree):   | 2                               | YEVALUATION                  |
| h, uniformity, number per m² or h   | 23                      | 7  | 7  | W  | 20  | 5  | 7  | 18 W   | IDENTIFIED FACTORS  |           | Photograph notes: | Photographs taken: (circle one) | Date 7/28/17                 |
| eight):   | 001                     | 15   | 14   | 15   | 14  | 14   | 14   | 14   | POSSIBLE FACTOR   |           |                   | S                               | Data Collector(s) M.         |
| KC HARVEY<br>ENVIRONMENTAL, LLC   | SSF % and Class:<br>23% | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range Class<br>1-20% Stable<br>21-40% Slight | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | <ol> <li>Observe the total sample area and determine the average condition.</li> <li>Determine if each item is potentially present.</li> </ol> | Procedure: (refer to Erosion Condition Classification System publication if needed) |           |                   |                                 | M. Arnold                    |

| NAME OF THE PROPERTY OF THE PR | KC HARVI<br>ENVIRONMENTAL | C HARVEY             | n ~                  |                       |                      |                         |   |                       |                      | Quali      | litative Monitoring             |
|--|---------------------------|----------------------|----------------------|-----------------------|----------------------|-------------------------|---|-----------------------|----------------------|------------|---------------------------------|
| Site Nan   | Site Name: Plot 3         |                      | (AHUOS               |                       |                      |                         |   |                       |                      | Date:      | 7/28/17                         |
| Data Co  | Data Collector(s):        |                      | Arnold               |                       |                      |                         |   | S                     | Slope(%)/Aspect:     | pect:      | /                               |
| Vegetation   | ation                     |                      |                      |                       |                      |                         |   |                       |                      |            |                                 |
|  |                           | Re                   | Reclamation Trial    | Trial                 |                      |                         | R   | Reference Site        | Site                 |            | Additional Monitoring           |
|  | Total<br>Foliar<br>Cover  | Species 1/<br>%Cover | Species 2/<br>%Cover | Species 3/<br>% Cover | Species 4/<br>%Cover | Foliar<br>Cover         | Species 1/<br>% Cover   | Species 2/<br>% Cover | Species 3/<br>%Cover | Species 4/ | Methods Seedling Count □Yes □No |
| Grass  | 53                        |                      |                      |                       |                      |                         |   |                       |                      |            | Canopy Cover □Yes               |
| Forb   | N                         |                      |                      |                       |                      |                         |   |                       |                      |            |                                 |
| Shrub  | 0h                        |                      |                      |                       |                      |                         |   |                       |                      |            | Mulch<br>None                   |
| Total  | 05                        | -                    | 1                    | 1                     | ŀ                    |                         | 1   | X                     | 1                    | 1          | Fiber                           |
| Weed   | 0                         |                      |                      |                       |                      |                         |   |                       |                      |            | Grazing                         |
| Cover<br>Crop  | 0.5                       | ar about             | *****                | 1                     | ļ                    | 1                       | 1   | 1                     | -                    |            | ☐ Wildlife<br>☐ Livestock       |
| Rock   | 15                        | -                    | _                    | 1                     | 1                    |                         |   | ı                     | 1                    | i          | Both                            |
| Litter   | 0                         | 1                    | 1                    | - 1                   |                      |                         | ı   | 1                     | -                    | 1          | Severity                        |
| Bare<br>Ground   | V                         | ı                    | ı                    | ı                     | 1                    |                         | 1   | 1                     | 1                    | 1          | ☐ Low 5-40%                     |
|  | Other Species:<br>Grass   | ecies:               |                      |                       |                      | Other Species:<br>Grass | ecies:  |                       |                      |            | ☐ Heavy 60-100%                 |
|  | Forb                      |                      |                      |                       |                      | Forb                    |   |                       |                      |            |                                 |
|  | Shrub                     |                      |                      |                       |                      | Shrub                   |   |                       |                      |            |                                 |
|  | Weed                      |                      |                      |                       |                      | Weed                    |   |                       |                      |            |                                 |
| Relative % Cover   | Cover                     |                      | _ (Disturb           | ed Total (G           | rass+Forb            | +Shrub))                | (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub)) | ed Total (0           | 3rass+Fork           | +Shrub))   |                                 |

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| Curring Its (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL            | Gullies | Rills                                      | Flow Patterns  | Pedestals   | Surface Rock Fragments  | Surface Litter   | Soil Movement   | EROSION FEATURE F   | Comments: | ) John Cr.        | PLST 1                          | 4                 |
|--|------------------|---------|--|--|---|---|--|---|---|-----------|-------------------|---------------------------------|-------------------|
| information on width, depth,   | 8                | 0       | 0  | W  | 0   | 2   | W  | 70  | POTENTIALLY PRESENT<br>(Yes or No)  |           | Slope (degree):   | 4                               | EVALUATION        |
| , uniformity, number per m² or he  | ,                | 53h     | Sak  | Sak  | SIV   | YES   | 536  | 53/4  | IDENTIFIED FACTORS  |           | Photograph notes: | Photographs taken: (circle one) | Date 8/3//17      |
| sight):  |                  | 15      | 14   | 15   | . 14  | 14  | 14   | 14  | POSSIBLE FACTOR   |           | e e               | (X)                             | Data Collector(s) |
| ENVIRONMENTAL, LLC   | SSF % and Class: | %       | SSF Range Class 1-20% Stable 21-40% Slight | factors / possible factors) x 100 b) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.     Determine if each item is potentially present. | Procedure: (refer to Erosion Condition Classification System publication if needed) |           |                   |                                 | STOW              |

| Data Collector(s): Vegetation Total | Data Collector(s) Vegetation Total |          | Reclamation Trial | Trial    |               | Total                  | Reference | SI<br>Raterance S | Slope(%)/Aspect | Aspect:   |
|-------------------------------------|------------------------------------|----------|-------------------|----------|---------------|------------------------|-----------|-------------------|-----------------|-----------|
|                                     | Cover                              | /0 COVET | /0 COVET          | No Cover | /0 CO 0 0 0 0 | Cover                  | 100000    |                   | 19.000          | (a) Cover |
| Grass                               | 10                                 |          |                   |          |               |                        |           |                   |                 |           |
| 4016                                | CT                                 | <b>V</b> |                   |          |               |                        |           |                   |                 |           |
| dumde                               | Cr                                 |          |                   |          |               |                        |           |                   |                 |           |
| Total                               | 20                                 | l        | İ                 |          | 1             |                        |           |                   |                 | 1         |
| Weed                                |                                    |          |                   |          | ·             |                        | Control   |                   |                 |           |
| Cover                               | -                                  |          |                   | j        | 1             |                        | 1         |                   |                 | 1         |
| Pock                                | Ch                                 | 1        | 1                 | 1        |               |                        | 1         | STATE OF STREET   | ŀ               | Js<br>L   |
| Litter                              |                                    |          |                   | 1        |               |                        |           |                   |                 | 1         |
| Bare                                | 40                                 | 1        |                   | T        | 1             |                        |           |                   | Ţ               | Ţ         |
|                                     | Other Species<br>Grass             | pecies:  |                   |          |               | Other Species<br>Grass | ecies:    |                   |                 |           |
|                                     | Forb                               |          |                   |          |               | Forb                   |           |                   |                 |           |
|                                     | Shrub                              |          |                   |          |               | Shrub                  |           |                   |                 |           |
|                                     | Weed                               |          |                   |          |               | Weed                   |           |                   |                 |           |
|                                     |                                    |          |                   |          |               |                        |           |                   |                 |           |

| SURFACE STABILITY EVALUATION | YEVALUATION                     | Date \$ (3//17)    | Data Collector(s) | STREET  | 59 |
|------------------------------|---------------------------------|--------------------|-------------------|---|----|
| Location Name:               |                                 | en:                | N A N             |   |    |
|                              |                                 | (circle one)       |                   |   |    |
| Aspect                       | Slope (degree):                 | Photograph notes:  |                   |   | 7  |
| Comments:                    |                                 |                    |                   |   |    |
|                              | E.                              |                    |                   | 9<br>9) *<br>2  |    |
| EDOSION FEATURE              |                                 |                    |                   |   | 9  |
| EROSION FEATURE              | POTENTIALLY PRESENT (Yes or No) | IDENTIFIED FACTORS | POSSIBLE FACTOR   | Procedure: (refer to Erosion Condition Classification System publication if needed) |    |
| Soil Movement                | O                               | 53hC               | 14                | Observe the total sample area and determine the average condition.                  |    |

|   | sight):         | , uniformity, number per m² or he | ude information on width, depth | Comments (when applicable, include information on width, depth, uniformity, number per m² or height): |
|---|-----------------|-----------------------------------|---------------------------------|---|
| SSF % and Class:  | CD/             | ,                                 | ৺                               | TOTAL   |
| 41-80% Moderate<br>61-80% Critical<br>81-100% Severe  | 15              | 152                               | C                               | Gullies   |
| SSF Range Class 1-20% Stable 21-40% Slight  | 14              | 53 K                              | 0                               | Rills   |
| factors / possible factors) x 100  6) Write the total percent and corresponding condition class in the box below.   | 15              | 27                                | 2                               | Flow Patterns   |
| 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified)   | 14              | Y & 3 Y                           | 0                               | Pedestals   |
| <ol> <li>For items potentially present, review the Erosion<br/>Condition Class (Soil Surface Factor) sheet and<br/>assign a numerical value to each erosion feature.</li> </ol> | 14              | X 22 X                            | 2                               | Surface Rock Fragments  |
| Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present).                      | 14              | X 53 X                            | 0                               | Surface Litter  |
| <ol> <li>Observe the total sample area and determine the average condition.</li> <li>Determine if each item is potentially present.</li> </ol>                                  | 14              | 53h C                             | OK                              | Soil Movement   |
| Procedure: (refer to Erosion Condition Classification System publication if needed)   | POSSIBLE FACTOR | IDENTIFIED FACTORS                | POTENTIALLY PRESENT (Yes or No) | EROSION FEATURE   |

KC HARVEY
ENVIRONMENTAL, LLC

FORE

5

Grass.

50 Cover

Foliar

Species 1/ Species 2/ Species 3/ Species 4/ %Cover %Cover %Cover %Cover %Cover

Follar

Species 1/1/Species 2/1 Species 3/1
%Coyer %Coyer %Coyer

Reference Site

Total

Total

Reclamation Trial

| 1  |
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Shrub

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Crop Litter Rock

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1

Weed

Total

er V

1

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Ground Bare C 40 j 1

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١.

1

Grass Forb

.

Other Species:

Weed

Fair for all mailiteliative Liair

Grass Shrub Forb Other Special

Relative % Cover

HARVEY

ENVIRONMENTAL, LLC PLOT 2

Site Name:

Data Collector(s):

P.50162

Vegetation

Slope(%)/Aspect: Date:

**Qualitative Monitoring** 

Species 40 % Cover Additional Monitoring Methods

Seedling Count Canopy Cover □Yes □No DY's

1

Mulch
□ None
□ Fiber

Grazing

Wildlife

Livestock

Both

1

ŀ

1

1

1

1

1

Severity

None 0-5%
Low 5-40%
Moderate 40-60%
Heavy 60-100%

(Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub))

Weed

Shrub

|  |       |         |  |  |   | <b>₹</b> 1;  |  | likaliter.  | 3181   |           |                   | if it is the                                  |
|--|-------|---------|--|--|---|--|--|---|--|-----------|-------------------|---|
| or height): (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL | Gullies | Rills                                      | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement   | EROSION FEATURE  | Comments: | Aspect:           | SURFACE STABILITY EVALUATION Location Name:   |
| idde information on width, depth   |       | 51 K    | 725  | 725  | 725   | 23.5   | S3/ 20   | SN 83   | POTENTIALLY PRESENT<br>(Yes or No)   |           | Slope (degree):   | Y EVALUATION                                  |
| , uniformity, number per m² or he  | 2     | 0       | 0  | S  | 0   | r.)  | W  | 0   | IDENTIFIED FACTORS   |           | Photograph notes: | Date $3/3//7$ Photographs taken: (circle one) |
| sight):  | 001   | 15      | 14   | 15   | 14  | 14   | 14   | 14  | POSSIBLE FACTOR  |           |                   | Data Collector(s) N                           |
| KC HARVEY<br>ENVIRONMENTAL, LLC  | PB    | 8       | SSF Range Class 1-20% Stable 21-40% Slight | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.     Determine if each item is potentially present. | Procedure: (refer to Posion Condition Classification System publication if needed) |           |                   | D.STOW  |

Qualitative Monitoring

Relative % Co ound Litter Crop Cover Weed Shrub Pock Total Forb Shing Gra Own Species: SAG. 20 N 1 o Species 1/ Species 2/ Species 3/ Species 4/ %Cover %Cover %Cover %Cover %Cover 8/31/17 i 1 4 j Reclamation Trial (Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub)) 1 1 1 1 İ 1 0 STROW [ 1 Follar Cover Weed Shrub Forb Grass Other Species: Total Species # Species 2/ Species 3/ %Cover %Cover %Cover %Cover i Reference Site 1 1: ŀ Slope(%)/Aspect: 1 Í 1 Species 4J %Coyer 1 1 ì Date: 3/3/ □ None 0-5%
□ Low 5-40%
□ Moderate 40-60%
□ Heavy 60-100% Grazing

Wildlife

Livestock

Both Mulch Fiber Seedling Count Yes Canopy Cover Wethods Additional Monitoring Severity Dives

| ENVIRONMENTAL, LLC   |                   |                                   |                                    | -   |
|--|-------------------|-----------------------------------|------------------------------------|---|
| 4  | eiaht):           | ı, uniformity, number per m² or h | ude information on width, depth    | Comments (when applicable, include information on width, depth, uniformity, number per m2 or height): |
| SSF % and Class:<br>S & STABLE   |                   | · \                               |                                    | TOTAL   |
| 41-60%<br>61-80%<br>81-100%  | 15                | 0                                 |                                    | Gullies   |
| SSF Range Class 1-20% Stable 21-40% Slight   | 14                | 0                                 |                                    | Rills   |
| factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below.   | 15                | 0                                 |                                    | Flow Patterns   |
| 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF (identified)   | 14                | 0                                 |                                    | Pedestals   |
| 3) For items potentially present, review the Erosion Condition Class (Soil Surface Februar) sheet and assign a numerical value to each arcsion leadure.  | 14                | 2                                 |                                    | Surface Rock Fragments  |
| Only the potentially present items will be considered in the total calculation (cross out present).  | 14                | W                                 |                                    | Surface Litter  |
| <ol> <li>Observe the total sample area and determine the average condition.</li> <li>Determine if each item is potentially present.</li> </ol>   | 14                | 0                                 | 138/                               | Soil Movement   |
| Procedure: (refer to Ercsion Condition Classification System publication if needed)  | POSSIBLE FACTOR   | IDENTIFIED FACTORS                | POTENTIALLY PRESENT<br>(Yes or No) | EROSION FEATURE   |
| 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |                   |                                   |                                    | Comments:   |
|  |                   | Photograph notes:                 | Slope (degree):                    | Aspect  |
|  | N N               | Photographs taken: (circle one)   | Hillon                             | Location Name:<br>らべん / ル   |
| Consultation of the consul | Data Collector(s) | Date 0/24/17                      | YEVALUATION                        | SURFACE STABILITY EVALUATION  |

## KC HARVEY ENVIRONMENTAL, LLC Site Name: S ITE 1 No

| Site Name:         | 0                        | 1 30                 | North                |                       |            |                          |   |             |                      | Date:      |
|--------------------|--------------------------|----------------------|----------------------|-----------------------|------------|--------------------------|---|-------------|----------------------|------------|
| Data Collector(s): | ector(s)                 | 2.5                  | non                  |                       |            |                          |   | S           | Slope(%)/Aspect:     | pect:      |
| Vegetation         | tion                     |                      |                      |                       |            |                          |   |             |                      |            |
|                    |                          | Re                   | Reclamation Trial    | Trial                 |            |                          | 50                                      | Reference : | Site                 |            |
|                    | Total<br>Foliar<br>Cover | Species 1/<br>%Cover | Species 2/<br>%Cover | Species 3/<br>% Cover | Species 4/ | Total<br>Follar<br>Cover | Species # Species 2/<br>% Coyer % Coyer | Species 2/  | Species 3/<br>%Cover | Species 4/ |
| Grass.             | 0                        |                      | ,                    |                       |            |                          |   |             |                      |            |
| Forb               |                          |                      |                      |                       |            |                          |   |             |                      |            |
| Shrun              | ч                        |                      |                      |                       |            |                          |   |             |                      |            |
| Total              | 35,                      | 1                    | ı                    |                       |            |                          |   |             | 1                    | 1          |
| Weed               |                          |                      |                      |                       |            |                          |   |             |                      |            |
| Cover              | OF BUILDING              |                      |                      | T.                    | f.         |                          | ı                                       | 0           | ı                    | i          |
| Plock              |                          | and the second       | Ĵ                    | -                     | I          |                          | 1                                       | ŀ           | İ                    | 1          |
| Litter             | SA.                      | j                    |                      |                       | 11-        | 4.0                      |   | 1           | 1                    | 1          |
| Bare<br>Ground     | . 15                     |                      | 1                    | Ţ                     |            |                          | Į.                                      |             |                      | 1          |
|                    | Other Species<br>Grass   | <b>Xe</b> cies       |                      |                       |            | Other Species:<br>Grass  | ecjes:                                  |             |                      |            |
|                    | Forb                     |                      | -                    |                       | 59         | Forb                     |   |             |                      |            |
|                    | Shrub                    |                      |                      |                       |            | Shrub                    |   |             |                      |            |
|                    | Weed                     |                      |                      |                       |            | Weed                     |   |             |                      |            |

PSORO

| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL TOTAL      | Gullies  | Rills                                      | Flow Patterns   | Pedestals   | Surface Rock Fragments  | Surface Litter   | Soil Movement 3 Km 1965  | EROSION FEATURE POTENTIALLY PRESENT IDENTIFIED FACTORS POSSIE                       | Comments: |                   | EZ MIDDL               |
|---|------------------|--|--|---|---|---|--|--|---|-----------|-------------------|------------------------|
| 1, uniformity, number per m² or height):  |                  | 15   | 14   | 15  | 14  | 14  | 14   | 77 1/65 . 14   | IDENTIFIED FACTORS POSSIBLE FACTOR  |           | Photograph notes: | Photographs taken: Y N |
| KC HARVEY<br>ENVIRONMENTAL, LLC   | SSF % and Class: | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | SSF Range Class 1-20% Stable 21-40% Slight | factors / possible factors) x 100  6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.      Determine if each item is potentially present. | Procedure: (refer to Erosion Condition Classification System publication if needed) |           |                   |                        |

| 1  | m         |      |
|--|-----------|------|
| The state of the s | NVIRONM   |      |
|  | ENTAL, LL | TANK |
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|  |           |      |
| CONTRACTOR OF THE PROPERTY OF  | Qualit    |      |
| THE REAL PROPERTY AND ADDRESS OF THE PARTY AND | ative     |      |

| Site Name: 5 174   | ie: 5  | 176 7                | 2                     | 27001                 |                      |                          |                                       |                       |                              | Date:             | 4/24/17                         |
|--------------------|--|----------------------|-----------------------|-----------------------|----------------------|--------------------------|---------------------------------------|-----------------------|------------------------------|-------------------|---------------------------------|
| Data Collector(s): | lector(s)  | D. <5                | MON                   |                       | ,                    |                          |                                       | S                     | Slope(%)/Aspect:             | pect:             | 1                               |
| Vegetation         | tion   |                      |                       |                       |                      |                          |                                       |                       |                              |                   |                                 |
|                    |  | Re                   | Reclamation           | Tria                  |                      |                          | <b>5</b> 2.                           | Reference (           | Site                         |                   | Additional Monitoring           |
|                    | Total<br>Follar<br>Cover   | Species 1/<br>%Cover | Species 2/<br>% Cover | Species 3/<br>% Cover | Species 4/<br>%Cover | Total<br>Follar<br>Cover | Species Wispecies 2/<br>%Cover %Cover | species 2/<br>% Cover | Species 3)<br>%Cover         | Species & W.Cover | Wethods Seedling Count □Yes □No |
| Grass              | 5  |                      |                       |                       |                      |                          |                                       |                       |                              |                   | Canopy Cover   Yes              |
| Forb               | 12   |                      |                       |                       |                      |                          |                                       |                       |                              |                   |                                 |
| Shrub              | 5  |                      | :                     | ·                     |                      |                          |                                       |                       |                              |                   | Mulch                           |
| Total              | B  | 1                    |                       | I                     |                      |                          | l                                     |                       | 17                           | a<br>I            | Fiber                           |
| Weed               |  |                      |                       |                       |                      |                          |                                       |                       |                              |                   | Grazing                         |
| Cover              | -  | 1                    |                       |                       |                      |                          | 1                                     | 1.                    | Î                            | 1                 | ☐ Wildlife ☐ Livestock          |
| Pock               | 20   | i                    | Î                     |                       | Î                    |                          | j                                     | J.                    | ľ                            | l                 | Both                            |
| Litter             | the local series   | 1                    | Į,                    |                       |                      |                          |                                       | 11                    | 1                            | ľ                 | Severity                        |
| Bare,<br>Ground    | Cr   | -                    | 1                     | ſ                     |                      |                          | Į.                                    | I I                   | 1                            | j                 | ☐ Low 5-40% ☐ Moderate 40-60%   |
|                    | Other Species:<br>Grass  | oecies:              |                       |                       |                      | Other Species<br>Grass   | pecies:                               |                       | Š                            |                   | ☐ Heavy 60-100%                 |
|                    | Forb   |                      |                       |                       |                      | Forb                     |                                       |                       |                              |                   |                                 |
|                    | Shrub  |                      |                       | •                     |                      | Shrub                    |                                       |                       |                              |                   |                                 |
| 18                 | Weed   |                      |                       |                       |                      | Weed                     |                                       |                       |                              |                   | ř                               |
| Dalative of Cover  | mineral designation of the last of the las |                      |                       |                       |                      |                          | -                                     |                       | STATE OF THE PERSON NAMED IN |                   |                                 |

| SURFACE STABILITY EVALUATION |                 | Date / / 4/11 7    | Data Collector(s) | で、一个では、 |       |
|------------------------------|-----------------|--------------------|-------------------|---------|-------|
| Location Name:               | (MUCHE!         | Photographs taken: | 3                 |         |       |
| 1701                         | 1 ( NOWN)       | (circle one)       | (                 |         |       |
| Aspect:                      | Slope (degree): | Photograph notes:  |                   |         | ,     |
|                              |                 |                    |                   |         | (ie   |
| Comments:                    |                 | ,                  |                   |         | F 4 2 |
|                              |                 |                    |                   |         |       |

|   |                  |  |  |  |   | \$7¢   |  | and the said   | とうた   |
|---|------------------|--|--|--|---|--|--|--|---|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL            | Gullies  | Rills  | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement  | EROSION FEATURE   |
| ude information on width, depth,  |                  | 1/48   | 785  | 53 N   | V 85  | 725  | X 8 3 K  | 13 A   | POTENTIALLY PRESENT<br>(Yes or No)  |
| uniformity, number per m² or he   | 5                | 0  | 0  | 0  | 0   | 1640   | W  | 0  | IDENTIFIED FACTORS  |
| aight):   |                  | 15   | 14   | 15   | 14  | 14   | 14   | 14   | POSSIBLE FACTOR   |
| KC HARVEY<br>ENVIRONMENTAL, LLC   | SSF % and Class: | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | <u>SSF Range</u> <u>Class</u><br>1-20% Stable<br>21-40% Slight | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature. | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | <ol> <li>Observe the total sample area and determine the<br/>average condition.</li> <li>Determine if each item is potentially present.</li> </ol> | Procedure: (refer to Erosion Condition Classification System publication if needed) |

Kensington Gold Project Long-Term Care and Maintenance Plan

## KC HARVEY

| Vegetation             | Data Collector(s): P.S. POW | Site Name: STE I (NOITH) | ENVIRONMENTAL, LLC     |
|------------------------|-----------------------------|--------------------------|------------------------|
| Siefer (10) in sefect. | Sinne (%) /Aspect:          | Date: 1/4//              | Qualitative Monitoring |

|   |      |       |      |                         | ۵ m                           | r        | 720  | 0.0                    | 5       | -           | G     | 77   | a                 | T                    |            |                       |
|---|------|-------|------|-------------------------|-------------------------------|----------|------|------------------------|---------|-------------|-------|------|-------------------|----------------------|------------|-----------------------|
| - |      | ,     |      |                         | Ground                        | Litter   | Rock | Crop                   | Weed    | Total       | Shrub | Forb | Grass             |                      |            |                       |
|   | Weed | Shrub | Forb | Grass                   | N N                           | 2        | CA   |                        | MOS     | =           | N     |      | n                 | Cover                | Total      |                       |
|   |      |       |      | ecles                   | 1                             |          |      |                        |         | i           |       |      |                   | %Cover               | Species 1/ | Re                    |
|   |      |       |      |                         | 1                             | 1        |      | ŀ                      |         | ı           |       |      |                   | %Cover               | Species 2/ | Reclamation Trial     |
|   |      |       |      |                         | 1.                            | 1        | 1    | ŧ                      |         | ı           |       |      |                   |                      | Species 3/ | Trial                 |
|   |      |       |      |                         |                               | ı        |      | 1                      |         | . !         |       |      |                   | % Cover              | Charios Al |                       |
|   | Weed | Shrub | Forb | Other Species:<br>Grass |                               |          |      | 1                      |         |             |       |      |                   | Cover                | Total      |                       |
|   |      |       |      | ecies:                  | 1                             | ı        | l    | ł                      |         | dividuals . |       |      |                   | % Cover              |            | Z                     |
|   |      |       |      |                         |                               | ı        | 1    | Resisti                |         | -           |       |      |                   | % Cover              |            | Reference Site        |
|   |      |       |      |                         | 1                             | - 1      | 1    | L.                     |         | ı           |       |      |                   | Species 3/<br>%Cover |            | Site                  |
|   |      |       |      |                         | 1                             | ı        | ***  |                        |         | ***         |       | 124  |                   | Species 4/<br>%Cover |            |                       |
|   |      |       |      | ☐ Heavy 60-100%         | ☐ Low 5-40% ☐ Moderate 40-60% | Severity | Both | ☐ Wildlife ☐ Livestock | Grazing | Fiber       | Mulch |      | Canopy Cover Tyes | Seedling Count □Yes  | Methods    | Additional Monitoring |

Relative % Cover\_

(Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub))

|   |                             | <u> </u>   |  |  |  | ં <sup>ક</sup> ે ? (  | e Service in   | aras (tox)   | 种为  |
|---|-----------------------------|--|--|--|--|---|--|--|---|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL                       | Gullies  | Rills  | Flow Patterns  | Pedestals  | Surface Rock Fragments  | Surface Litter   | Soil Movement  | EROSION FEATURE   |
| ude information on width, depth,  |                             | 725  | Y 25   | , YES  | YES  | 725   | 128  | 788  | POTENTIALLY PRESENT (Yes or No)   |
| uniformity, number per m² or he   | 5                           | 0  | 0  | б  | Ď  | 2   | W  | 0  | IDENTIFIED FACTORS  |
| iight):   | 100                         | 15   | 14   | 15   | 14   | 14  | 14   | 14   | POSSIBLE FACTOR   |
| KC HARVEY<br>ENVIRONMENTAL, LLC   | SSF % and Class: 5% STABL & | 41-60% Moderate<br>61-80% Critical<br>81-100% Severe | <u>SSF Range</u> <u>Class</u><br>1-20% Stable<br>21-40% Slight | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values.  5) Calculate the Total percent SSF: (identified) | <ol> <li>For items potentially present, review the Erosion<br/>Condition Class (Soil Surface Factor) sheet and<br/>assign a numerical value to each erosion feature.</li> </ol> | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.      Determine if each item is potentially present. | Procedure: (refer to Erosion Condition Classification System publication if needed) |

KC HARVEY
ENVIRONMENTAL, LLC

| 1                  |                         | 7        | -           | The state of the s | The same of the sa |   |  |            |  | 200  |
|--------------------|-------------------------|----------|-------------|--|--|---|--|------------|--|--|
| Data Collector(s): | or(s):_                 | P. STron | 200         |  |  |   |  | co         | Slope(%)/Aspert  | per l  |
| Vegetation         | 2                       |          |             |  |  |   |  |            |  |  |
| Γ                  |                         | Re       | Reclamation | Trial  |  |   | 70   | Reference  | Site   | THE RESERVE THE PROPERTY OF TH |
| 正古                 |                         | -        | Species 2/  | Species 3/   | Species 4/   | Total<br>Foliar                           | Species 1/   | Species 2/ | Species 3/   | Species 4  |
| +                  | Cover                   | % COVET  | 70 COVET    | % Cover  | %Cover   | Cover                                     | % Cover  | % Cover    | %Cover   | %Cover   |
| Grass 10           | 0                       |          |             |  |  |   |  |            |  |  |
| Forb               |                         |          | 22          |  |  |   | A CONTRACTOR OF THE PARTY OF TH |            |  |  |
| Shrub 5            |                         |          |             |  |  |   |  |            |  |  |
| Total 15           | S                       | Brook    | Salas       |  | e l  | A. a. a. a. a. a. a. a. a. a. a. a. a. a. |  | +          | ***************************************  | -  |
| Weed 15            | V)                      |          |             |  |  |   |  |            |  |  |
| Crop               |                         | 1        | ŀ           | ŧ  | 1  | Cat                                       | ı  |            | and the second   | ****   |
| Rock 60            | 0                       | 1        | 1 -         | e e e e e e e e e e e e e e e e e e e  | 1  |   | L  |            | 1  | 0000   |
| Litter             |                         | ***      | !           | 1  | 1  |   | 1  | -          |  | ***************************************  |
| Bare 5             |                         | an épina | ı           | 1  | -  |   | ı  | 0          |  | 1  |
| Other              | Other Species:<br>Grass | cies:    |             |  |  | Other Species:<br>Grass                   | ecies:   |            |  |  |
| Forb               |                         |          |             |  |  | Forb                                      |  |            |  |  |
| Shrub              | p.                      |          |             |  |  | Shrub                                     |  |            | We depth to the control of the contr |  |
| Weed               | ă                       |          |             |  |  | Mond                                      |  |            |  |  |

בחווא- ו בוווו רמוב פווח ואופוווובוופוזרב ביפוו

| Class<br>Stable<br>Slight<br>Moderate<br>Critical<br>Severe | 5 %   |                 |                    |                                 |                        |
|---|---|-----------------|--------------------|---------------------------------|------------------------|
| onding llass table light loderate ritical evere             | SSF % and Class:  | 600             | Cy                 |                                 | TOTAL                  |
| onding lass table   | 41-60% IV<br>61-80% C<br>81-100% S  | 15              | 0                  | 53 K                            | Gullies                |
| onding  | SSF Range C<br>1-20% S<br>21-40% S  | 14              | 0                  | 125                             | Rills                  |
| Continuo  | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below.  | 15              | 0                  | 165                             | Flow Patterns          |
| the possible  | <ul><li>4) Total both the weighted values and the possible values.</li><li>5) Calculate the Total percent SSF: (identified</li></ul>  | 14              | 0                  | 755                             | Pedestals              |
| w the Erosion sheet and sion feature.                       | <ol> <li>For items potentially present, review the Erosion<br/>Condition Class (Soil Surface Factor) sheet and<br/>assign a numerical value to each erosion feature.</li> </ol> | 14              | 2                  | 53K                             | Surface Rock Fragments |
| be considered entered present).                             | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present).                      | 14              | 3                  | 295                             | Surface Litter         |
| determine the ly present.                                   | Observe the total sample area and determine the average condition.     Determine if each item is potentially present.   | 14              | 0                  | 7:5                             | Soil Movernent         |
| on Classification led)                                      | Procedure: (refer to Erosion Condition Classification System publication if needed)   | POSSIBLE FACTOR | IDENTIFIED FACTORS | POTENTIALLY PRESENT (Yes or No) | EROSION FEATURE        |

ENVIRONMENTAL, LLC

| IRONMENTAL, LLC        | Qualitative Monitoring |
|------------------------|------------------------|
| lame: PLOT 3 (50577+)  | Pate: 1/14/17          |
| Collector(s): 0 5 Tron | Sinnafot//Accounts     |
| etation                | Cope ( a) Depect.      |
|                        |                        |

|  |      | es<br>S <del>e</del>   | Bare<br>Ground | Litter    | Rock        | Crop        | Weed | Total                    | 3 Shrub                  | En Forb  | Grass |                       |                       |
|--|------|--|----------------|-----------|-------------|-------------|------|--------------------------|--------------------------|--|-------|-----------------------|-----------------------|
| W/ood  | Forb | Grass  | S              | 20        | 10          |             | W.   | 0 0                      | Ч                        | 1  | 7     | Foliar                | Total                 |
|  |      | ecies:   | o deser        |           |             |             |      | Acces                    |                          |  |       | Species 1/<br>% Cover | Re                    |
|  |      |  |                | 1         | - materials | 1           |      |                          |                          |  |       | % Cover               | Reclamation Trial     |
| =  |      |  | Maria          | 1         | I           | Ł           |      |                          |                          |  |       | Species 3/<br>% Cover | Trial                 |
|  |      |  | -              | 1         | -           | 1           |      | 1                        |                          |  |       | Species 4/<br>%Cover  |                       |
| Shrub  | Forb | Other Species:<br>Grass  |                |           |             |             |      | Management of the second |                          |  |       | Foliar<br>Cover       |                       |
|  |      | ecies:   | ı              | 1         | 1           | -           |      |                          |                          | and description of the state of |       | Species 1/<br>% Cover | 70                    |
|  |      |  | ı              | 1         | 1           |             |      | 1                        |                          |  |       | Species 2/<br>% Cover | Reference Site        |
|  |      |  | -              | enance)   | Section     | - Calaba    |      | magasi                   |                          |  |       | Species 3/            | Site                  |
| The second secon |      | The state of the s | Pa spore       | dentage   |             | 5.000       |      |                          | The second second second |  |       | Species 4/<br>% Cover |                       |
|  |      | □ Heavy 60-100%  | D Low 5-40%    | Severity. | C) Both     | C) Wildlife |      | CI Fiber                 | Maria                    | LANO LANO  |       | Seedling Count 17725  | Auditional wonitoring |

(Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub))

Relative % Cover

Site Data Aspect: Comments: Location Name: Slope (degree): (+MOS) Photograph notes: Photographs taken: (circle one) Data Collector(s) P.S. 7200

|   |                  |         |  |  |   | Si   | te Stab  | ilization  | Data  |
|---|------------------|---------|--|--|---|--|--|--|---|
| Comments (when applicable, include information on width, depth, uniformity, number per m² or height): | TOTAL            | Gullies | Rills  | Flow Patterns  | Pedestals   | Surface Rock Fragments   | Surface Litter   | Soil Movement  | EROSION FEATURE   |
| ude information on width, depth,  |                  | 0       | Q  | N  | 0   | 0  | W  | 3  | POTENTIALLY PRESENT (Yes or No)   |
| uniformity, number per m² or he   |                  |         | page, Apartica entre conference de Principal | Acta Simon more and Acta Street  | E STOTE AND A SHAPE (ARTICLES AND COMM  | A service of the serv |  | 7 465  | IDENTIFIED FACTORS  |
| ght):   |                  | J.      | 14   | 15   | 14  | 14   | 14   | 14   | POSSIBLE FACTOR   |
|   | SSF % and Class: | 6       | SSF Range Class 1-20% Stable 21-40% Slight   | factors / possible factors) x 100 6) Write the total percent and corresponding condition class in the box below. | 4) Total both the weighted values and the possible values. 5) Calculate the Total percent SSF: (identified) | 3) For items potentially present, review the Erosion Condition Class (Soil Surface Factor) sheet and assign a numerical value to each erosion feature.   | Only the potentially present items will be considered in the total calculation (cross out pre-entered possible factor # if it is not potentially present). | Observe the total sample area and determine the average condition.      Determine if each item is potentially present. | Procedure: (refer to Erosion Condition Classification System publication if needed) |

Kensington Gold Project Long-Term Care and Maintenance Plan

KC HARVEY ENVIRONMENTAL, LLC

Relative % Cover\_

(Disturbed Total (Grass+Forb+Shrub))/(Undisturbed Total (Grass+Forb+Shrub))

## KC HARVEY ENVIRONMENTAL, LLC

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| ta Collecto<br>egetation | ta Collector(s):         | 1. Sopon             | non                  |                       |                      |                          |                       | S                     | Slope(%)/Aspect:     | pect:                 |                             |
|                          |                          | Re                   | Reclamation Trial    | Trial                 | X.                   |                          | 77                    | Reference             | Site                 |                       | Additional Wonitoring       |
|                          | Total<br>Foliar<br>Cover | Species 1/<br>%Cover | Species 2/<br>%Cover | Species 3/<br>% Cover | Species 4/<br>%Cover | Total<br>Foliar<br>Cover | Species 1//<br>%Cover | Species 2/<br>% Cover | Species 3/<br>%Cover | Species 4/<br>% Cover | Methods Seedling Count Tyes |
| rass                     | 20                       |                      |                      |                       |                      |                          |                       |                       |                      |                       |                             |
| Forb                     | P                        |                      |                      |                       |                      |                          |                       |                       |                      |                       | □No                         |
| hrub                     | 30                       |                      | 4                    |                       |                      |                          |                       |                       |                      | •                     | Mulch                       |
| fotal                    |                          | 1                    | 1                    |                       | 1                    |                          | 1                     | 1                     | 1                    | i                     | Fiber                       |
| Weed,                    | 15                       |                      |                      |                       |                      |                          |                       |                       |                      |                       | Grazing                     |
| Crop                     | -                        | 1                    | l                    | -                     | ļ                    | 1                        | 1                     | 1                     | 1                    | *****                 | ☐ Wildlife ☐ Livestock      |
| <b>Pock</b>              | 20                       | -                    | -                    |                       | Ī                    |                          |                       | 1                     | 1                    | 1                     |                             |
| tter                     | 15                       | İ                    |                      | 1                     | 1                    |                          | 1                     | 1                     | 1                    | į.                    |                             |
| Bare                     |                          | 1                    | 1                    | 1                     | 1                    |                          | l                     |                       | 1.                   | 1                     | None 0-5%                   |
|                          | Other Species:<br>Grass  | ecies:               |                      |                       |                      | Other Species:<br>Grass  | ecies:                |                       | ,                    |                       | ☐ Heavy 60-100%             |
|                          | Forb                     |                      |                      |                       |                      | Forb                     |                       |                       |                      |                       |                             |
|                          | Shrub                    |                      |                      | ٠                     |                      | Shrub                    |                       |                       |                      |                       |                             |
|                          | Weed                     |                      |                      |                       |                      | Weed                     |                       |                       |                      |                       | **                          |